Neomed Pharma GmbH presents results from India August 2003

ROBIN PRO NATURA
High Concentrated

ALGAE EXTRACT

ALGIFOL: Report of Mr. Sezhian, Bangalore, India, August 2003

- FRUIT grapes
- VEGETABLE brinjal, gherkins, moringa-drumstick
- TREES mulberry
- FLOWERS jasmine, crossandra, roses

ALGIFOL Dosage

1 litre / hectare

or 1 ml per litre for all crops

ALGIFOL SEAWEED EXTRACT -

Among the effects recorded are:

- improved seed germination
- increased crop yields
- improved quality of crop
- increased resistance of crop to frost, drought etc.
- reduced fungal, bacterial and nematode attack
- increased uptake of soil nutrients

Test on Paddy Nursery



- Only 1 ml per 1 litre during nursery stage gives healthy well established paddy plants.
- Organic ALGIFOL can ideally replace usage of carbofuran granules (Furadon), which is even 3,5 times more expensive.

Kancheepuram District, Tamil Nadu, India

Algifolon Flowers

Performance is found to be excellent tested on

Jasmine, Crossandra, Roses







Feedback from farmers:

- a) Increase in size of the flowers
- b) attractive colour and keeping quality is for 3/5 daysc) good fragrance

Algifol Fungicidal Effect

Important reduction of mildew on roses

Early spraying recommended to start

protective effect

Repeat within one week after 1st spray



Algifolon Crossandra

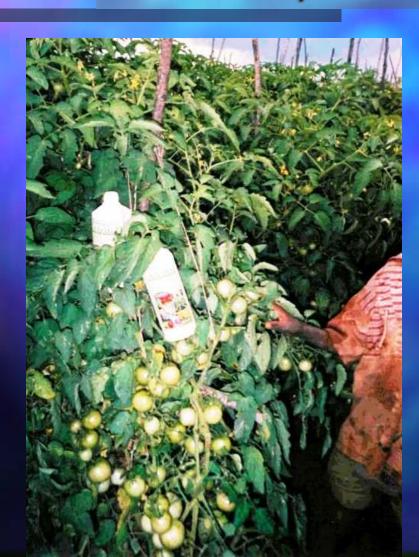


Note: The farmers have started using Algifol for rooting of stem cuttings (crossandra) at 5 ml per litre of water. Stem cuttings are dipped in the solution for 2 to 3 minutes, shade dried and immediately planted Results: Excellent rooting and well established plants (New approach in India)

Algifol on Vegetable Brinjal

Usage of Algifol at critical stage, flower initiation, and fruit onset has given excellent results. Feedback from farmers the yield from 1st picking (5 bags = 200 kgs) has gone up to **75 bags** $(75 \times 40 = 3000 \text{ kgs})$ which is a record in Tamil Nadu, India.

Algifol on Tomatoes - Excellent increase, more than 100%





Algifol on Vegetable Moringa-Drumstick

Another important vegetable does not flower during November / December months. Usage of Algifol at 1 ml per 1 litre has induced flowering and results in yield 80 to 100 drumsticks per tree. (This is a new record!).

Algifol on Grapes

Usage of Algifol at 1 ml per 1 litre during critical stages, e.g. immediately

- after pruning
- flower initiation
- fruit onset



Algifol on Grapes

Results

- uniform ripening of fruit
- uniform sized fruit throughout the bunch
- Increase in sugar content
- less wastage
- no flower shredding

Yield

Control 4000 kg grapes/acre

Algifol 6000 kg grapes/acre

= increase in yield 50%

Algifol on Grapes

Cost Benefit Ratio:

- Control: $4000 \times Rs$. 10 = 40000 (820)
- Algifol: 6000 x Rs. 12 = 72000 (€ 1470)
- Algifol grapes are priced at higher rate!
- Total 12 acres

Source:

Mr. S. Sahadevan, s/o Mr. P. Subramamiam, Chettiapatti Village, Dindugal District, Tamil Nadu, India

Algifol on Gherkins



Presently I have tried it on a new vegetable crop (gherkins) that is used as pickles in European countries. We have entered this segment and Algifol has given very good results.

Note: no growth regulators are allowed except Algifol due to its performance (shining quality of the produce and increase in market value of the product)

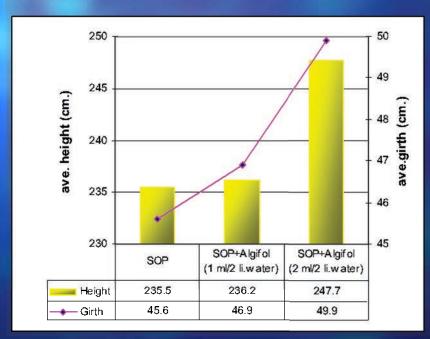
Mulberry

Karnataka reports:

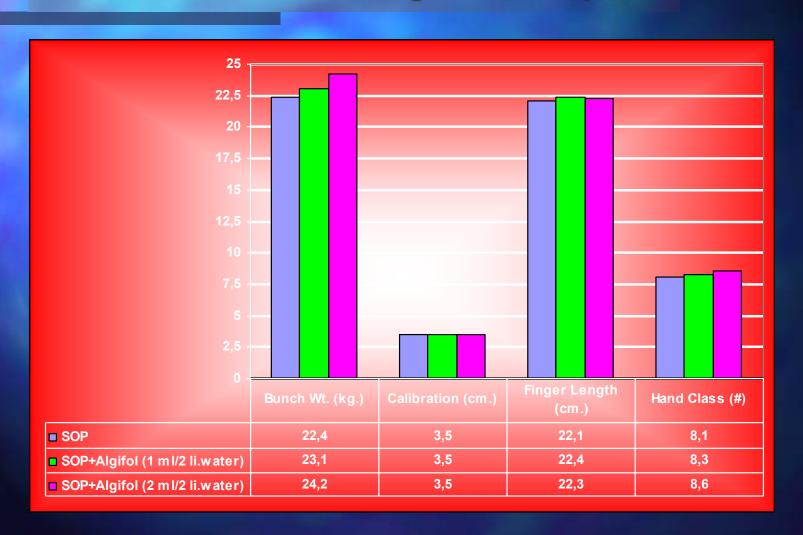
- More leaves of fresher green
- Silk worm eat leaves more completely, therefore less leaves needed

Bananas Philippines 2009

(Sucker Plants) when all Mother Plants were Harvested.



7.4 % yield increase between SOP and Algifol @ 1:1000 water solution in favor of Algifol treated plants.



Result of Test

- 7.4 % higher yield
- If 15 tons normal yield this is 1.1 ton extra profit for the farmer
- Depending on price achieved more than US\$ 100 per hectare extra profit
- No extra work, co-spraying with fungicides or pesticides
- 3 sprayings of ALGIFOL only per growing season

ALGIFOL

is produced by

Neomed Pharma GmbH

Moltkestrasse 38

23564 Lübeck / Germany

Tel. ++49 451 795024

Fax ++49 451 792895

e-mail: neomed-robin@t-online.de

www.algifol.com

Bananas Sri Lanka





CONTROL

ALGIFOL

Mangoes Philippines



- Improved yield in organic or integrated farming
- Higher sugar content
- General yield increase
- Less fruit drop
- increase of excellent quality fruit from former 40 to 70% with ALGIFOL

RICE Sri Lanka



SPRAY PLAN

- Dip seeds in drum with Algifol solution 1:100
- 1st spray after transplant
- 2nd spray at fruit setting
- 3rd spray 4-6 weeks later
- Last spray 4 weeks before
- harvest
- Extra spray during pest pressure or drought
- extra yield 6-15%

ON TEA PLANTATIONS



- **TARGET**
- Heat tolerance increased
- Stronger rooting
- increased take-up of otherwise locked elements
- Reduced plant stress
- Reduced need for pesticide & fungicide (30%)

Results

Sri Lanka Tea Plantation

Mr. Abbas from B.C.P.E. reported on 20.01.2003:

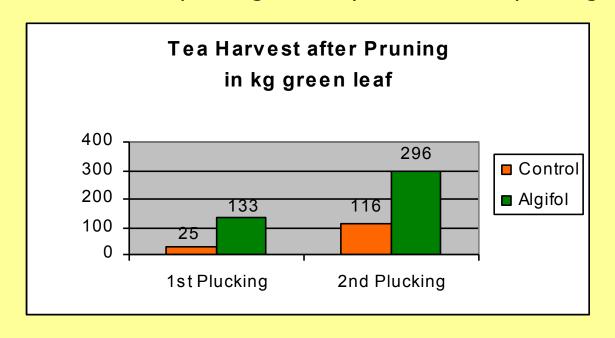
"Yesterday I got information that some of the tea plantations found the plants have yielded

12-15 shoots per branch after 3 weeks of spraying **ALGIFOL** compared to regular yield of 6-7 shoots."

Sri Lanka Tea Plantation

Mr. Jayaram May 2003
CONTROL viz 1 spraying of ALGIFOL on 3/4 acre of land

- CONTROL Urea fertilizer 1 month prior to prune viz ALGIFOL no fertilizer
- CONTROL 250kg Dolomite 47th day after prune viz
 ALGIFOL 300kg Dolomite 25th day after prune
- CONTROL 1st plucking 49th day viz ALGIFOL plucking 42nd day
- CONTROL 2nd plucking 59th day viz ALGIFOL plucking 53rd day



ALGIFOL Dosing

400 ml/acre

Cultivation Process Coconut



Soak the coconut plants in the mixture of 10ml ALGIFOL ™ and 1 litre of water and then plant them. If it is one year old plant spray its leaves with the above said mixture. Even if it is time to put forth spathe spray well on the spathe with the above mixture. This is preventing the coconut trees from dropping young fruit of the coconut. Spray with this mixture from this stage after 21 days as before. As a result, high yielding is achieved while the so-called Mite Attack disease is also eradicated. The land, which produced 1000, Nuts per Acre for every pluck is now giving a return of 2500-3000 Nuts per Acre. This has been already proved in the Puttalam area.

ALGIFOL Action on Roots

- On the left, roots of winter barley treated with ALGIFOL, sprayed in Dec. 97
- On the right, control group

England, Results in January, 1998



WHEAT

- 4 ha as control, 4 ha sprayed with
 ALGIFOL, 2 sprayings, 1 litre/ha
- Wheat with ALGIFOL was 10 cm higher,
 dark green & developed more grains
- Stronger roots underlined this excellent development.

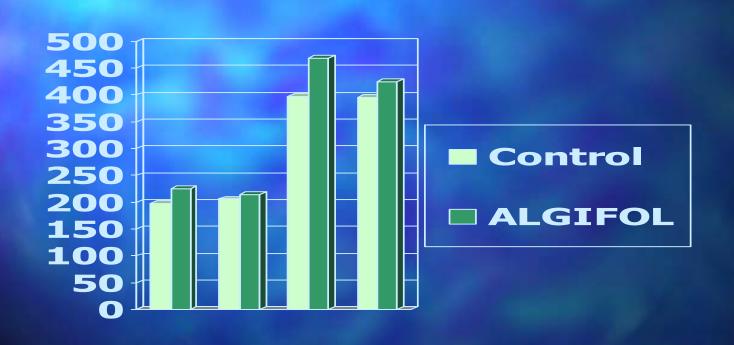
Test on Oranges, China 1998



- Increase in Yield
- Higher Sugar Content
- Better Aspect
- Aromatic Odour
- Healthy Trees & Fruit

Oranges – after 1 spraying

Yield in kg per farm per same number of trees



Results on Oranges



- Average increase in sugar content
 - + 10,9%
 - Oranges of even weight, large size & smooth skin with fresh colour

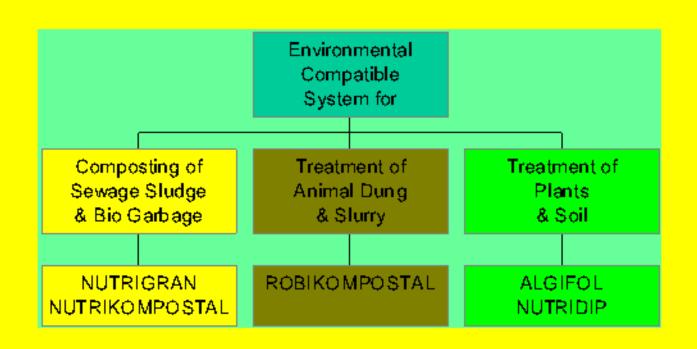
Container Test for Size

Control	ALGIFOL
205	170
185	175
199	179
192	165
200	173
198	171

Oranges are placed into standard sized containers and counted. Small oranges have higher number in container. Lower number = bigger average size.

Integrated Control of Soil Pests Einsiedeln, Switzerland 2nd-4th November 2000

Neomed Pharma GmbH Organic Integrated Farm System



Basic Raw Material Ascophyllum nodosum

All products:

- certified by BCSNuremberg,Germany
- are in accordance
 with EEC regulations
 2092/91 Addendum
 II Part A of
 22.07.1991 for
 organic growing



ALGIFOL Leaf Spray Liquid Sea Algae Extract

Dosage for most plants

3-4 litres per hectare per season

Seaweed: Another tool for nematode control? Trials carried out in 1999

Colin Fleming

Applied Plant Science

The Queen's University of Belfast



Seaweed extracts contain:

Plant growth hormones (cytokinins, auxins)

•Plant biostimulants (betaines, polyamines, oligosaccharides)

AIM OF STUDY

Can we demonstrate any beneficial effects from the treatment of Potato Cyst Nematode infested potato with seaweed extracts?:

1. Effects on crop?

2. Effects on nematode?

SEAWEED EXTRACTS - Among the effects recorded are:

- **improved seed germination**
- increased crop yields
- improved quality of crop
- •increased resistance of crop to frost, drought etc.
- reduced fungal, bacterial and nematode attack
- increased uptake of soil nutrients



1999 Plot Experiments

4 treatments:

- •Control No application
- Algifol spray (4 applications)
- Product X spray (4 applications)
- Algifol dip (tubers dipped prior to planting)
- 2 replicated plot experiments in potato cyst nematode (Globodera pallida) infested soil at 130 & 185 eggs per gram of soil (high nematode levels)





Control: No spray

Typical symptoms of nematode damage

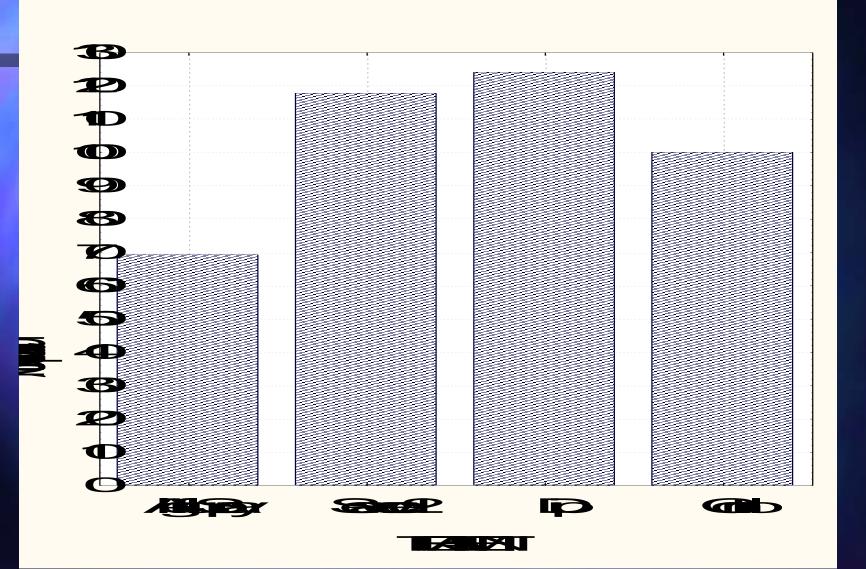


Algifol spray: Replicate 1: better canopy, tallest plants, reduced symptoms



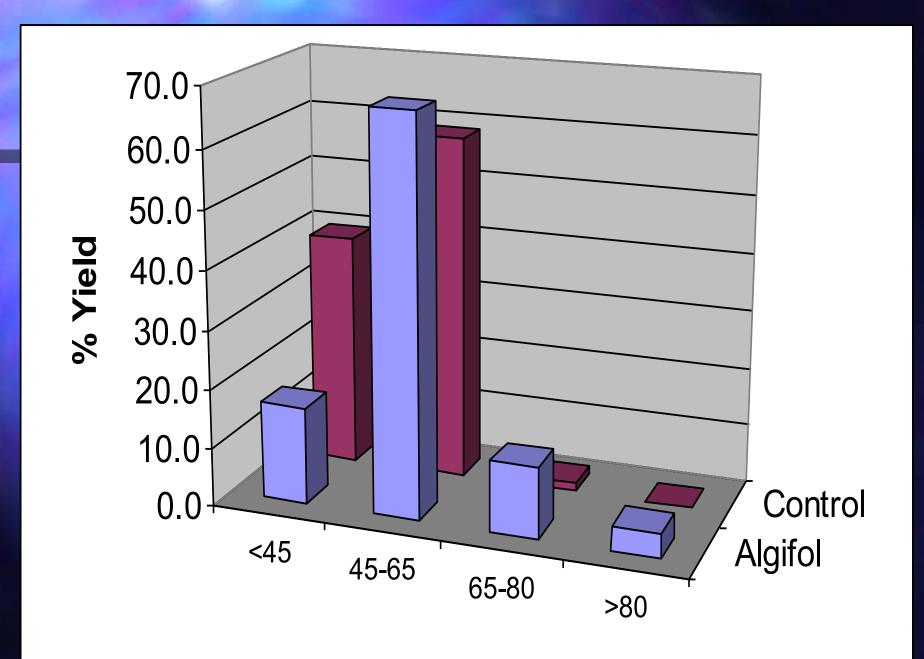
Product X spray: Replicate 1- better canopy, reduced symptoms

RESIDENCE OF THE STREET



SUMMARY OF RESULTS

Lower reproduction of *G.* pallida in Algifol sprayed plots (70% control):



Conclusions of trials conducted in 1999 at the Queen's University of Belfast

In the presence of high levels of PCN:

- Earlier 50% emergence in Algifol tuber dip plots (2 weeks earlier)
- •Algifol sprays gave consistently higher usable tuber yield than controls and other treatments
- •The increase in usable tuber yield was due to a shift in the size range towards larger tubers

YEAR 2000 Experiments: Pot experiments (2 PCN levels: 12 eggs/g and 50 eggs/g)

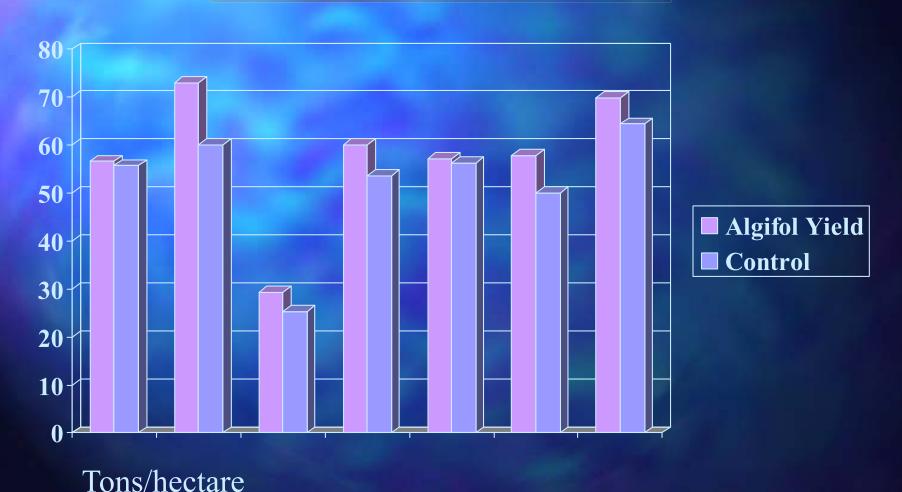
Preliminary data show:

- •Enhanced shoot and root growth in Algifol sprayed plants
- •No significant reduction in PCN reproduction in Algifol sprayed plts at 12 eggs/g
- •Significantly reduced PCN reproduction (80% of control) in Algifol sprayed pots at 50 eggs/g

ALGIFOL on Potatoes Some Results Year 2000 conducted by independant consultants in England

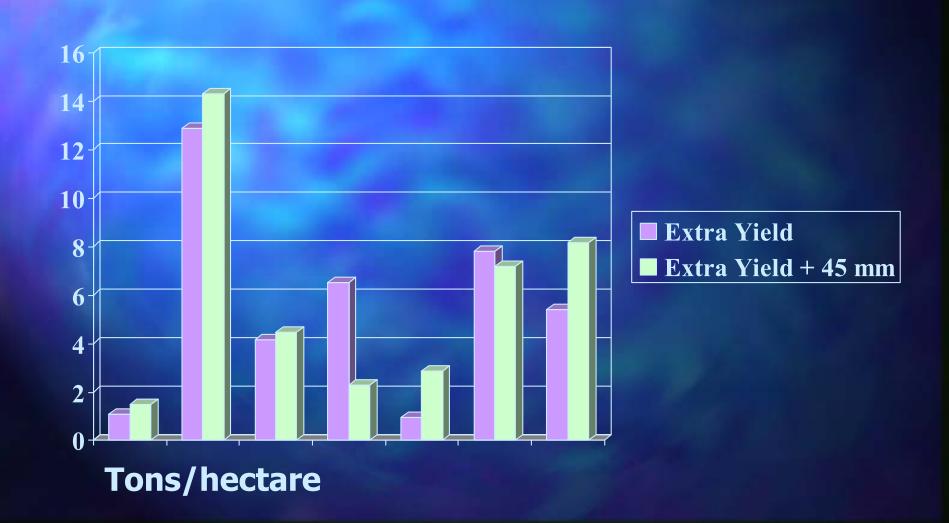
Various varieties like *Piper, Estima, Nadine, Cara, Picasso*Results on Yield & Size

ALGIFOL TRIAL RESULTS 2000 England, Lincolnshire



ALGIFOL TRIAL RESULTS

Shift in Size: Extra Yield Compared to Extra Yield + 45 mm



ALGIFOL TRIAL RESULT Comparison Control / ALGIFOL

	Control	ALGIFOL
Total Yield of Potatoes / ha	50.10 t	57.90 t
 Potatoes + 65 mm Potatoes 45 to 65 mm Potatoes – 45 mm 	55 % 41.4 % 3.6 %	36.9 % 58.9 % 4.2 %

Farmer remarked superior skin quality in the treated plot.

BCS organic Certification



CONFIRMATION OF COMPATIBILITY

for the use of inputs in organic agriculture

issued to:

NEOMED Pharma GmbH Moltkestr. 38 23564 Lübeck Germany

Document No.

NEOMED-7795/09.08/0478-DE

This document is to confirm that the inspection and evaluation of the following product

ALGIFOLTM

produced and distributed by the company mentioned above came to the following result

The final product can be considered as a product allowed in organic agriculture, according to the requirements of

- EU No. 2092/91, Annex II. A (European Union)
- USDA/NOP-Final rule (USA) 205.601 (j) (1)
- JAS Japanese Agricultural Standard for Organic Agricultural Products (Japan)

Anyhow, it has to be remembered that – although BCS confirms the conformity of the products with the requirements of EU Regulation No. 2092/91 – due to the absence of a uniform interpretation of the term "equivalency", every state authority in the EU has got the right to apply its own criteria in this respect.

The inspection and evaluation of the procedure of production was carried out by BCS Öko-Garantie GmbH, Nuremberg, Germany. BCS is an EU-accredited inspection and certification body, controlled by 16 German state supervising authorities. In addition BCS is accredited by the US authority USDA to certify according to the NOPfinal rule and as an Registered Foreign Certification Company by the Japanese Ministry for Agriculture, Fishery and Forestry to certify according to the Japanese Agricultural Standard for Organic Agricultural Products.

This confirmation does not constitute any guarantee of product quality. It only confirms that the use of these products can be considered as equivalent to the requirements in the above mentioned regulations.

It has to be taken into consideration that the official registration in every country where the products are to be sold is not covered by this confirmation. It remains the obligation of the distributing company to carry out the respective legal steps for the official registration of these products.

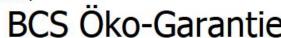
Nuremberg, September 23rd, 2008

Validity of document, until August 31st, 2009

BCS ÖKO-GARANTIE GMBH

for

Peter GROSCH General Manager Nuremberg, Germany Copy





Cimbernstr. 21, 90402 Nümberg, Germany Phone: +49 (0)911 42 43 9-0, Fax: +49 (0)911 42 43 9 71 EU-Code-No.: DE-001-Öko-Kontrollstelle

ALGIFOL

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Neomed Pharma GmbH

Moltkestrasse 38

23564 Lübeck / Germany

Tel. ++49 451 795024

Fax ++49 451 792895

e-mail: neomed-robin@t-online.de

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