

# The new fatty acid fungicide Neu 1143 F: A contribution to copper reduction in organic farming?

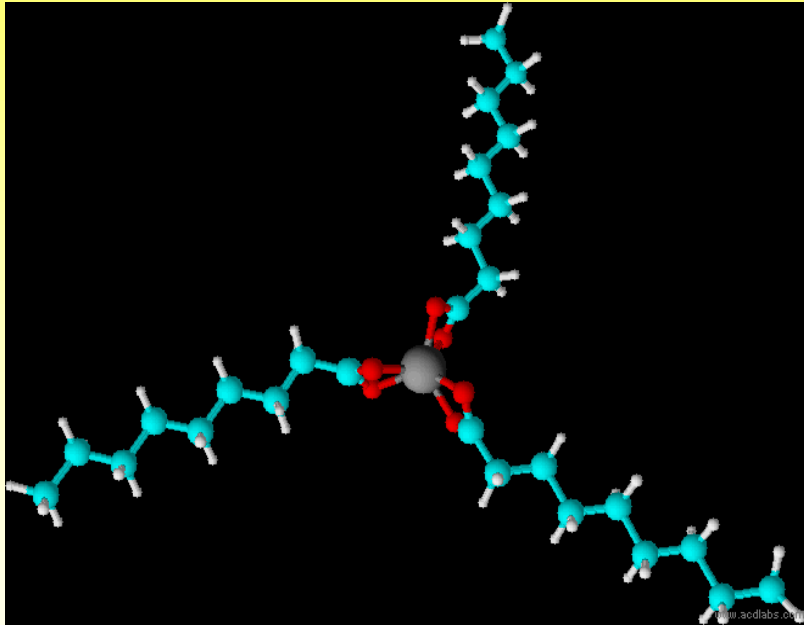


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# The new fatty acid fungicide Neu 1143 F: A contribution to copper reduction in organic farming?

## Product parameter



New contact fungicide  
for the application in ornamentals,  
vegetable and fruit crops

Active substance:

67.6 g/L pelargonic acid

[formulated as iron salt

of pelargonic acid 81.6 g/L]

Product rate:

20 - 40l/ha depending on crop  
and plant height

No. of applications:

Max. 10 depending on disease and  
infestation

Spray interval:

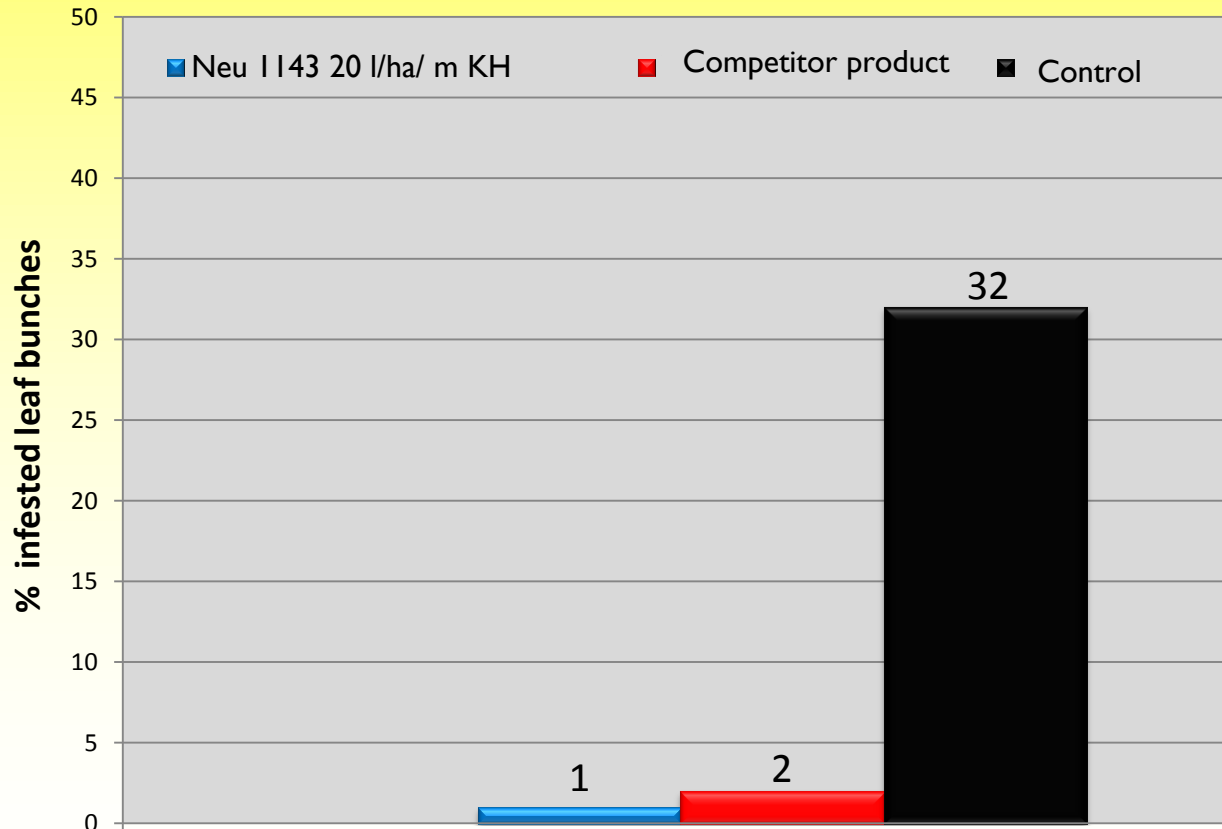
7 -10 days

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## Efficacy

Peach Leaf Curl on Peach

(*Taphrina deformans*) % infested leaf bunches



**Trial:** France 2015

**Application:** 3 appl.  
Neu 1143 F and  
competitor product  
(BBCH 01, 01, 03)

**Competitor product:**  
Active substance  
copper

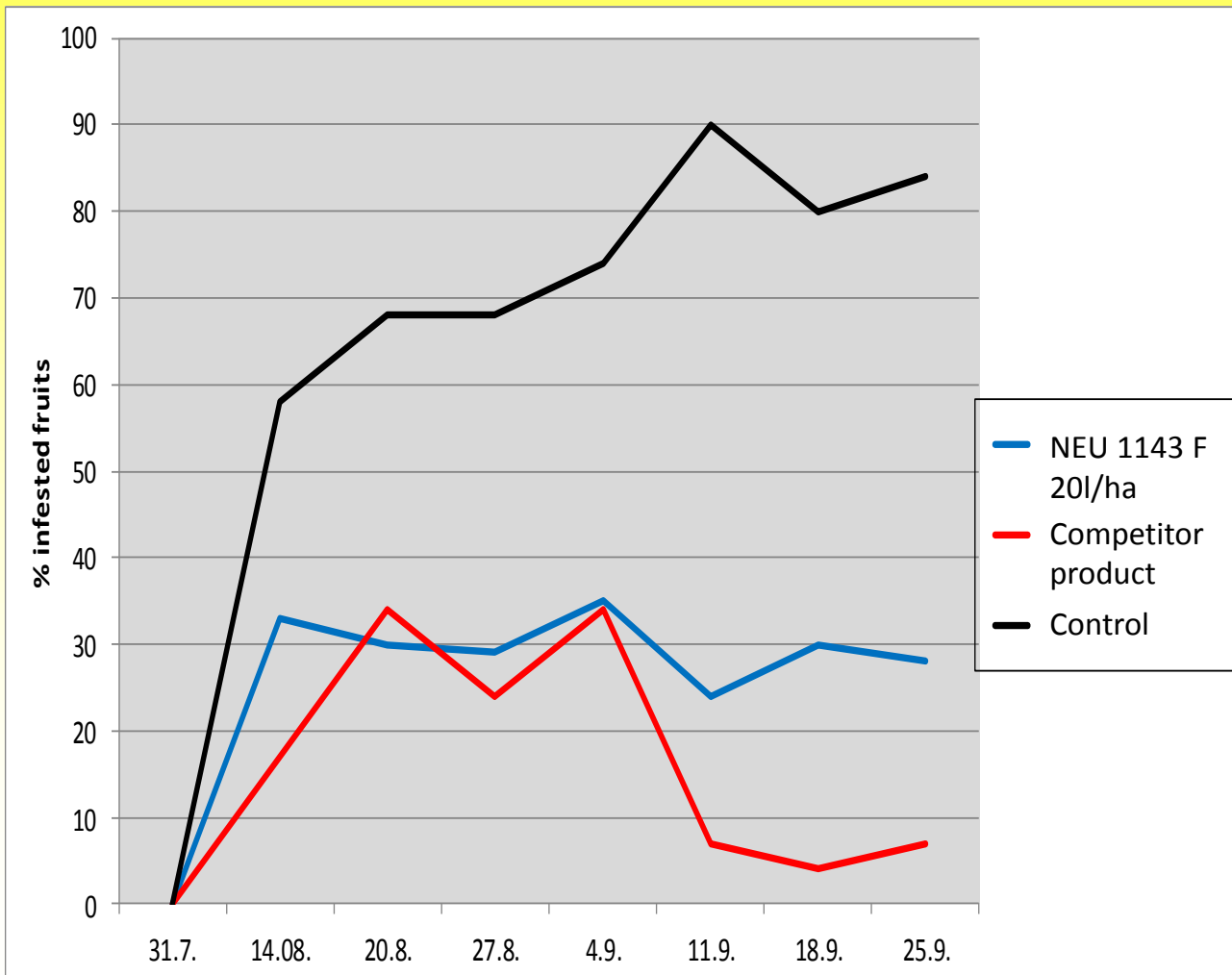
**Spray volume:**  
1200 l/ha



# The new fatty acid fungicide Neu 1143 F: A contribution to copper reduction in organic farming?

## Efficacy

Tomato Late Blight (*Phytophthora infestans*) % infested fruit



**Trial:** Germany 2014

**Application:** 8 appl.  
Neu 1143 F and  
competitor product,  
8 day interval

**Competitor product:**  
Active substance  
copper

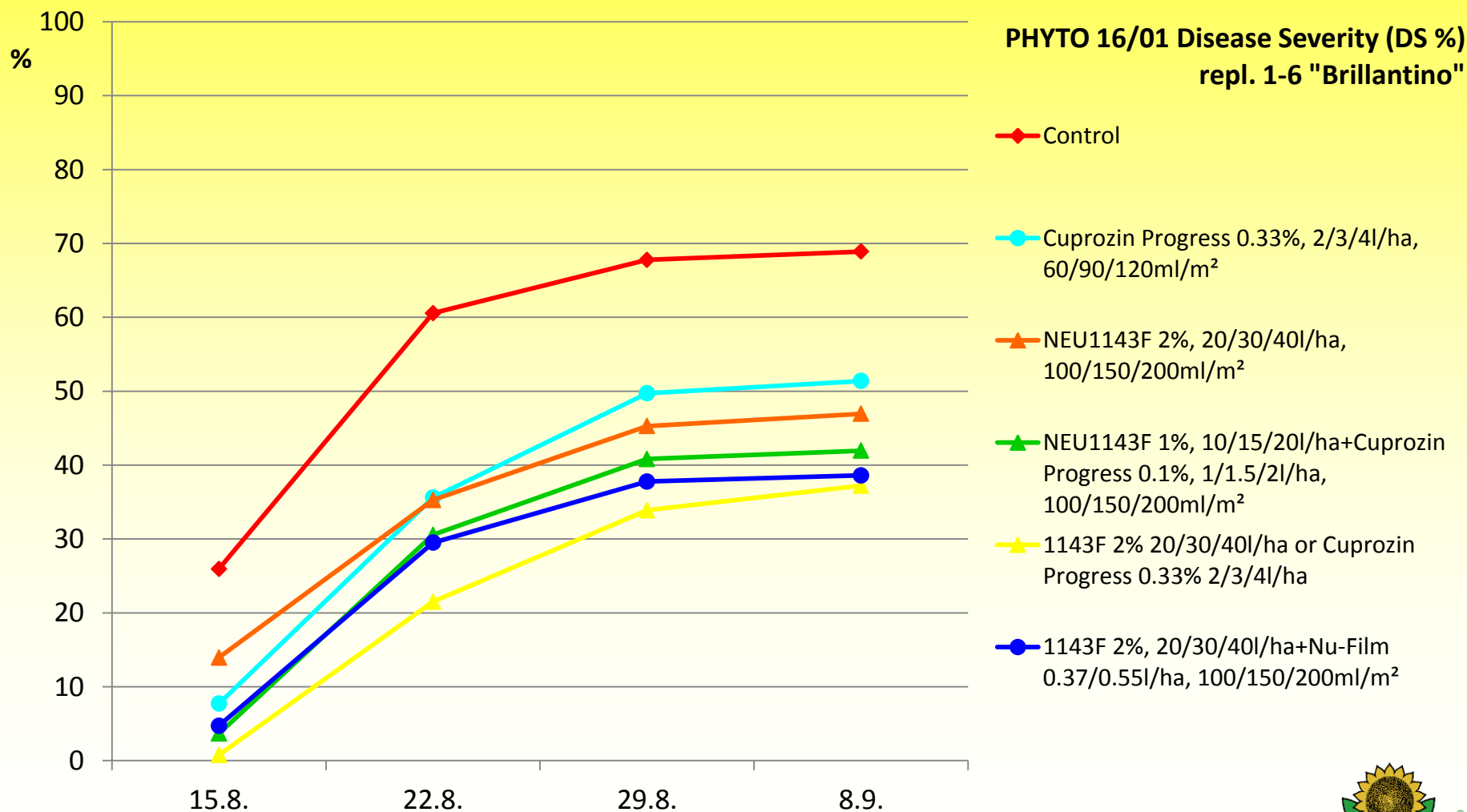
**Spray volume:**  
1500-1800 l/ha



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## Efficacy

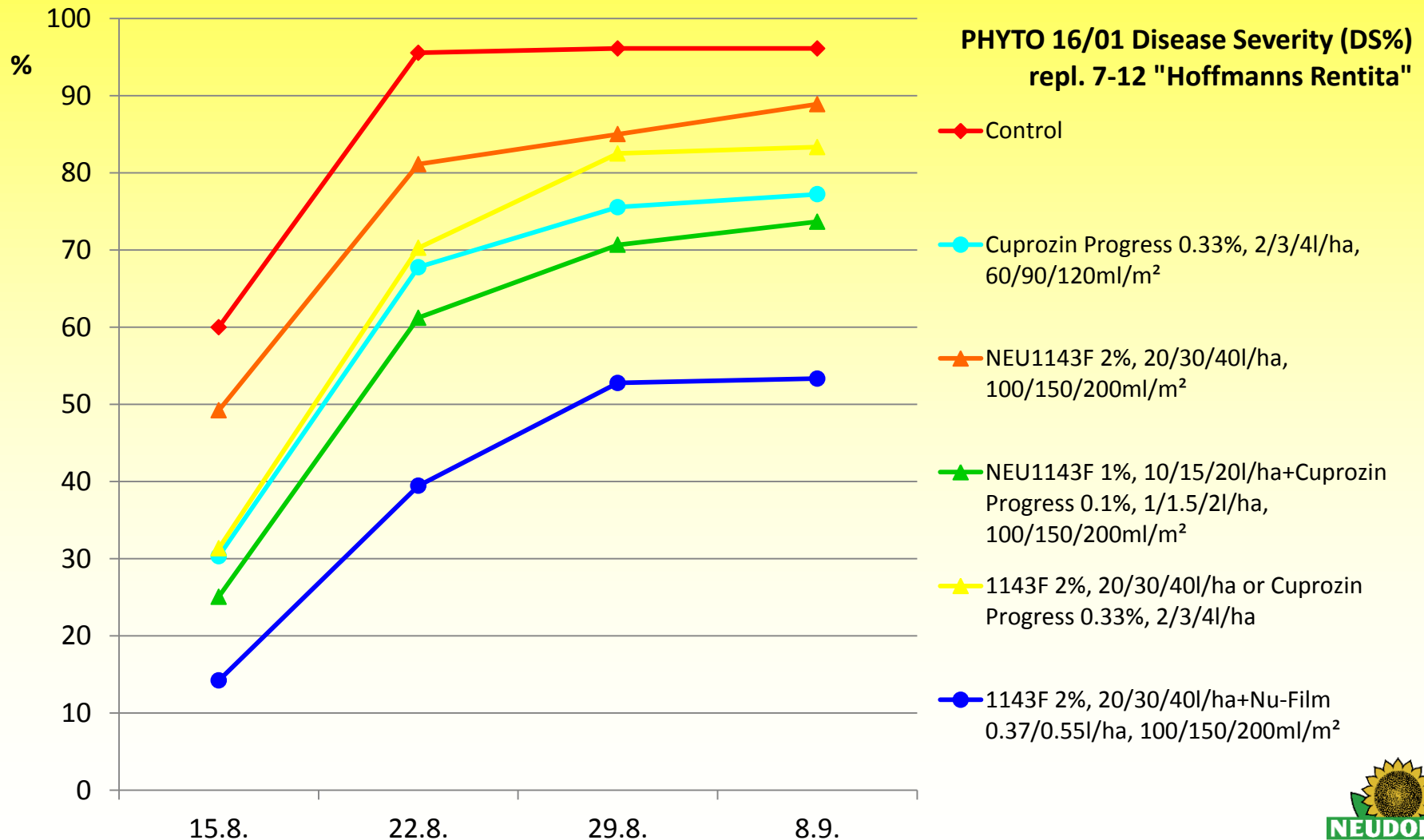
Tomato Late Blight (*Phytophthora infestans*) disease severity %



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## Efficacy

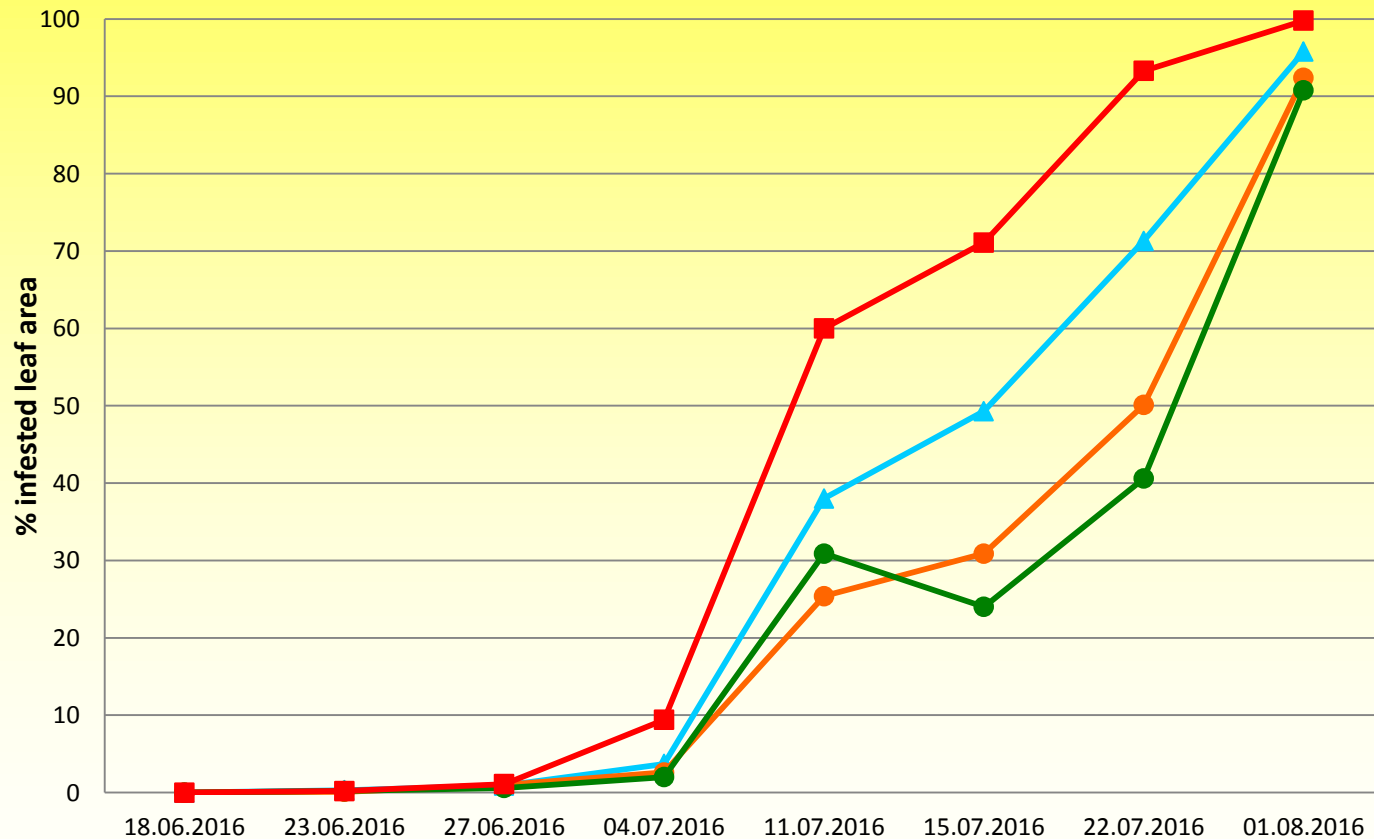
Tomato Late Blight (*Phytophthora infestans*) disease severity %



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## Efficacy

Potato Late Blight (*Phytophthora infestans*) % infested leaf area



**Trial:**  
Germany 2016

**Application:**  
6 appl.  
all products,  
4-7 day interval

**Competitor product:**  
Cuprozin progress

**Spray volume:**  
400-500 l/ha

▲ Cuprozin progress 2 l/ha  
● Cuprozin progress 2 l/ha + Neu 1143 F 10 l/ha  
● Cuprozin progress 2 l/ha + Neu 1143 F 20 l/ha  
■ Control



2 = Cuprozin progress  
4 = Cuprozin progress + Neu 1143 F (20 l/ha)



1 = Control  
2 = Cuprozin progress

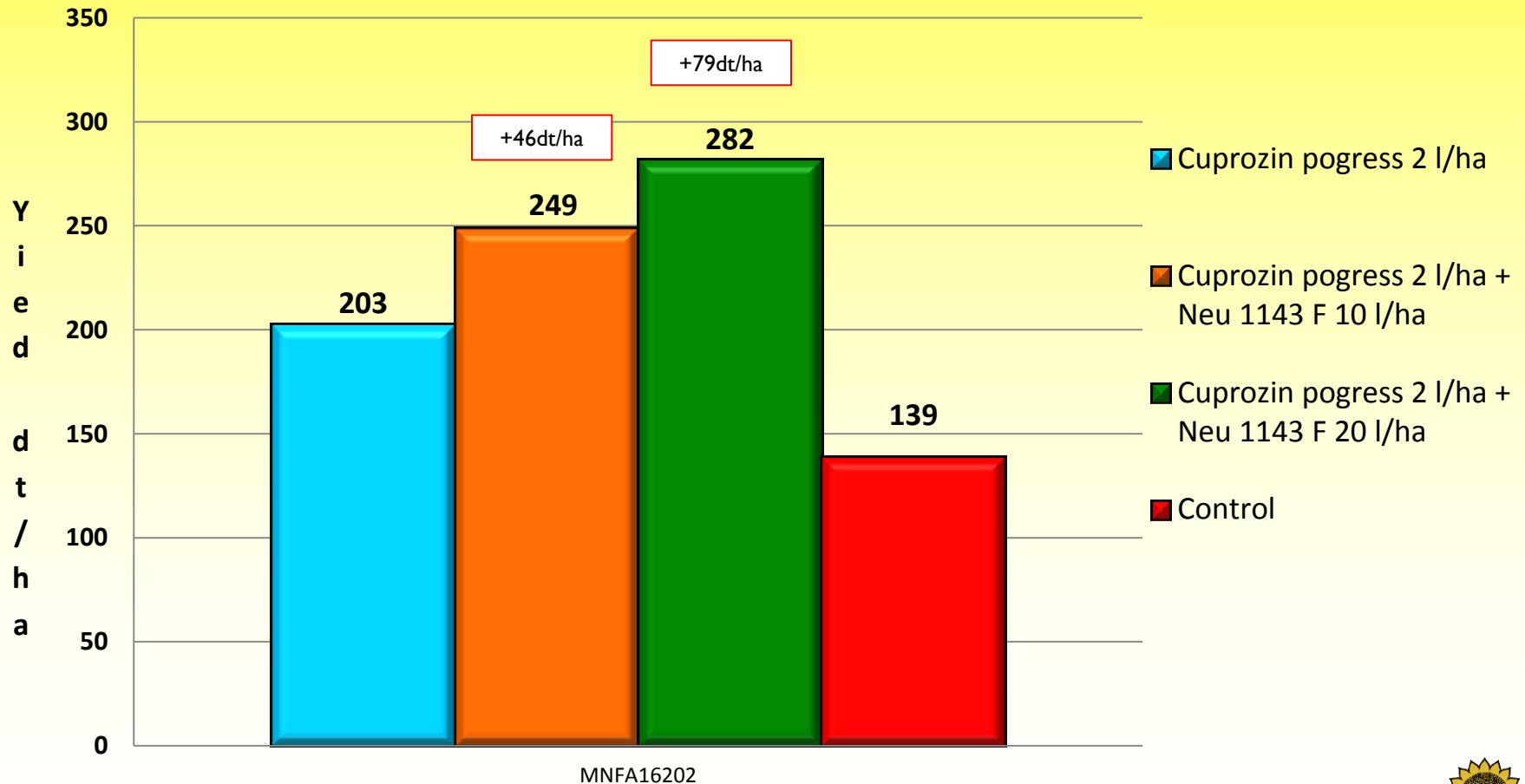




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## Efficacy

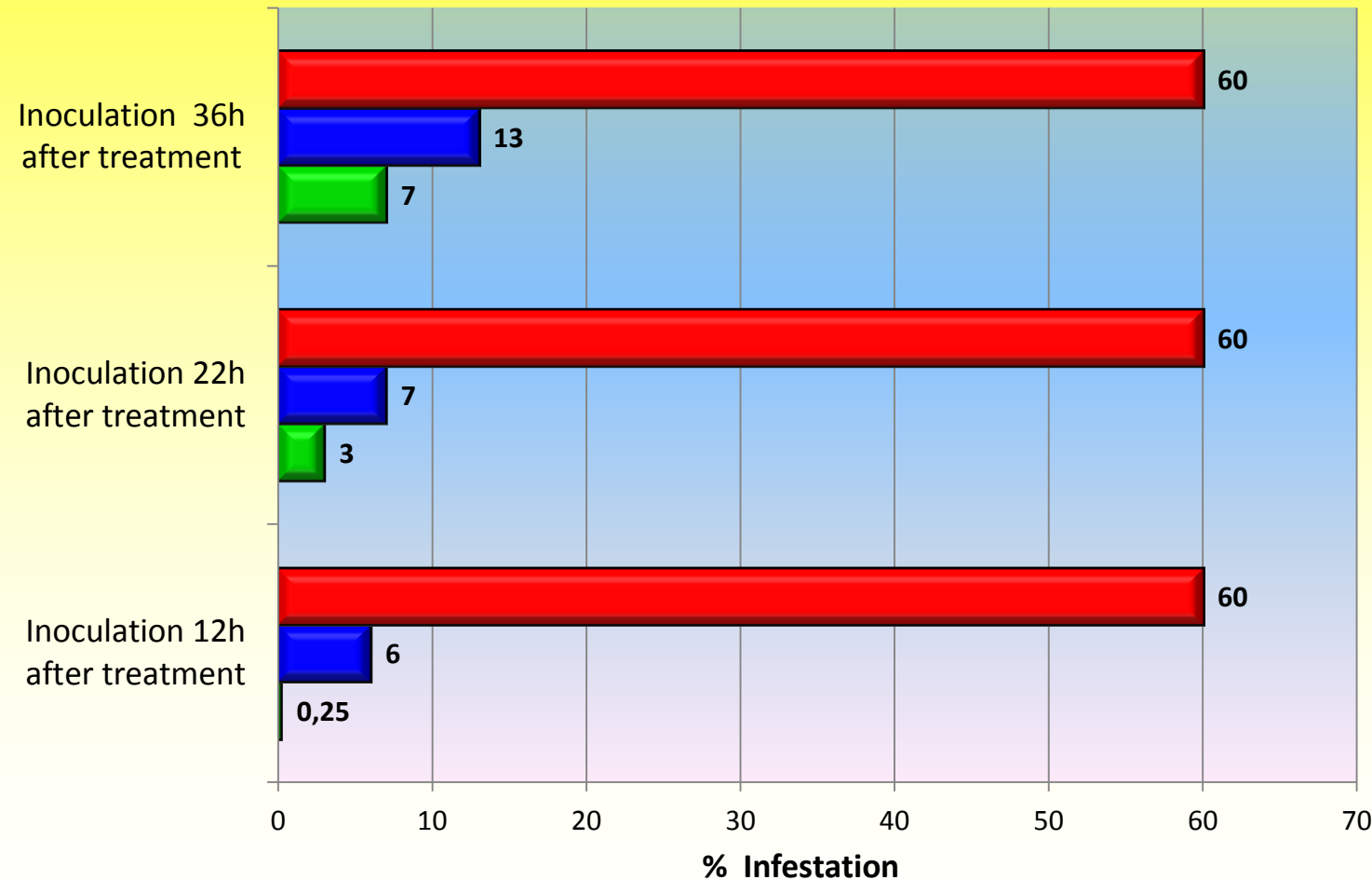
Potato Late Blight (*Phytophthora infestans*) % yield (dt/ha)



# The new fatty acid fungicide Neu 1143 F: A contribution to copper reduction in organic farming?

## Efficacy

### Apple Scab (*Venturia inaequalis*) – Preventative Control LEAVES



**Trial:**  
Germany 2016

**Method:**  
Laboratory test,  
artificial inoculation

**Competitor  
Product:**  
Active substance  
Dodin

■ Control ■ Infestation competitor product ■ Infestation Neu 1143 F 15 l/ha/m



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## Efficacy

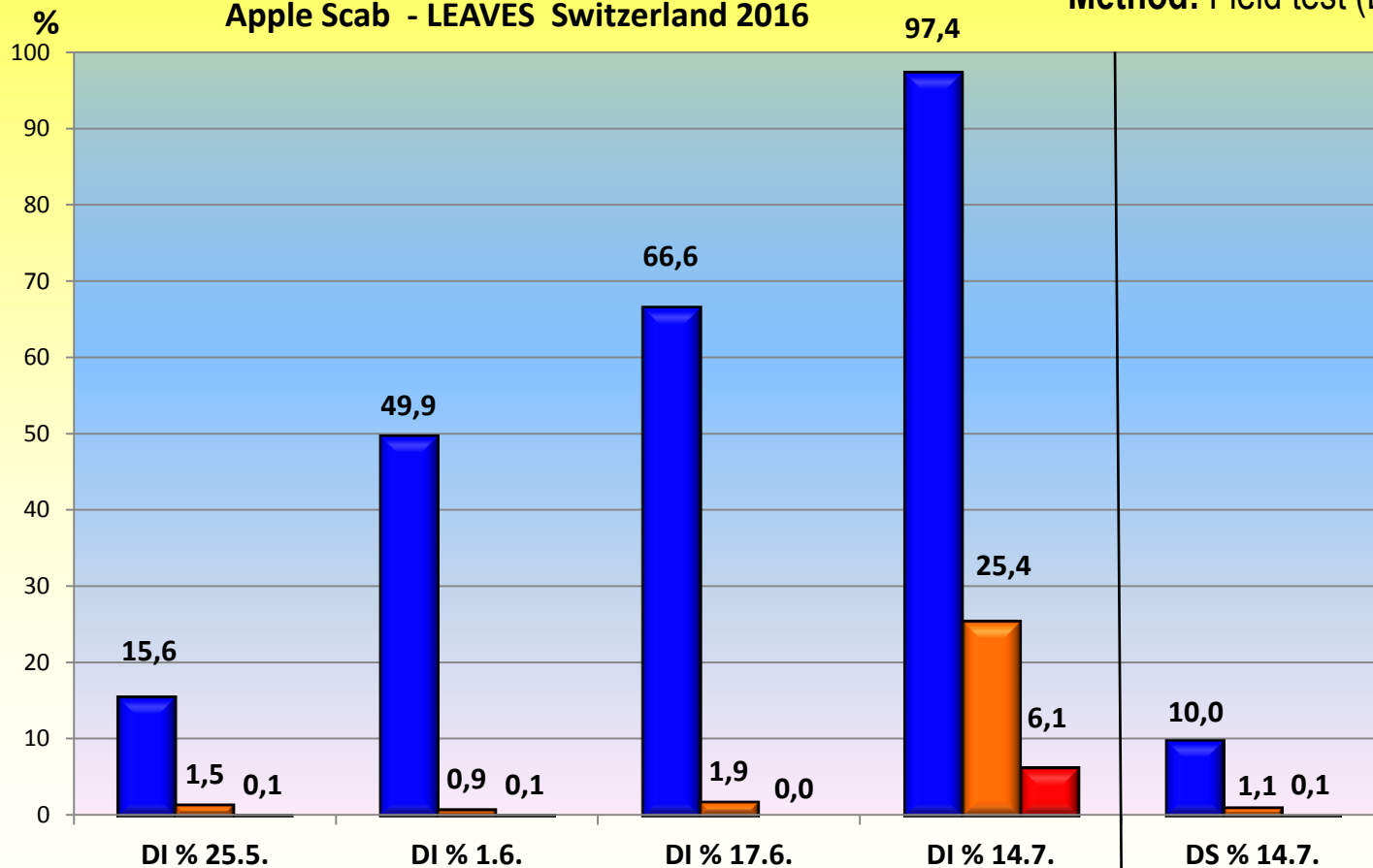
### Apple Scab (*Venturia inaequalis*)

Trial: FIBL Switzerland 2016

Method: Field test (EPPO PP 005/3)

Apple Scab - LEAVES Switzerland 2016

97,4



**Applications:** 27  
according to RIMpro

**NEU 1143 F:** 20 appl.  
plus  
7x Armicarb+Sulfur

**Bio-Strategy:**  
3x Copper  
14x Armicarb+Sulfur  
10x Sulfur+Mycosin

■ Control untreated ■ NEU 1143 F 15l/ha/m ■ Bio Standardstrategy

DI: Disease Incidence  
DS: Disease Severity

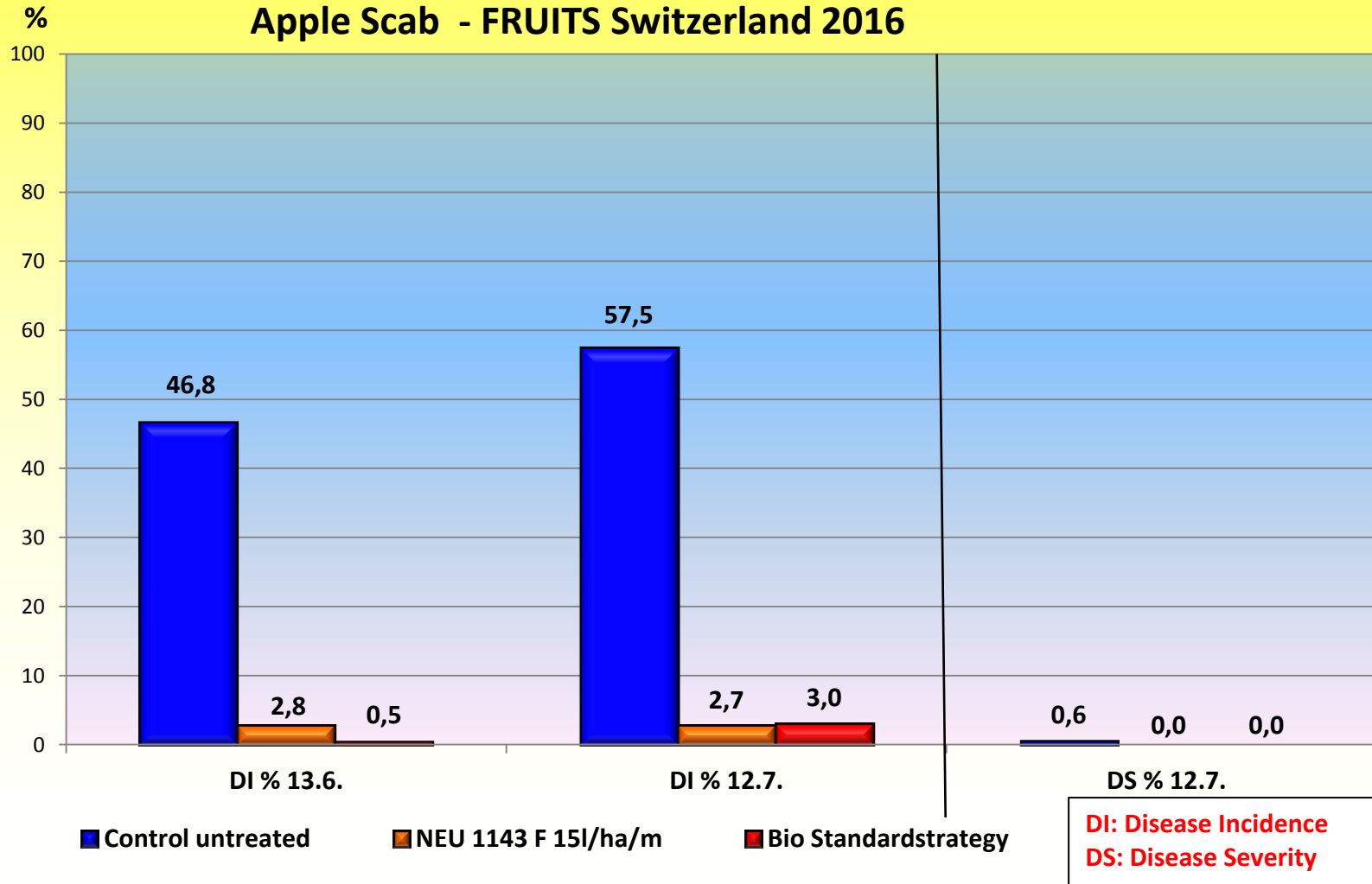


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## Efficacy

### Apple Scab (*Venturia inaequalis*)

Apple Scab - FRUITS Switzerland 2016

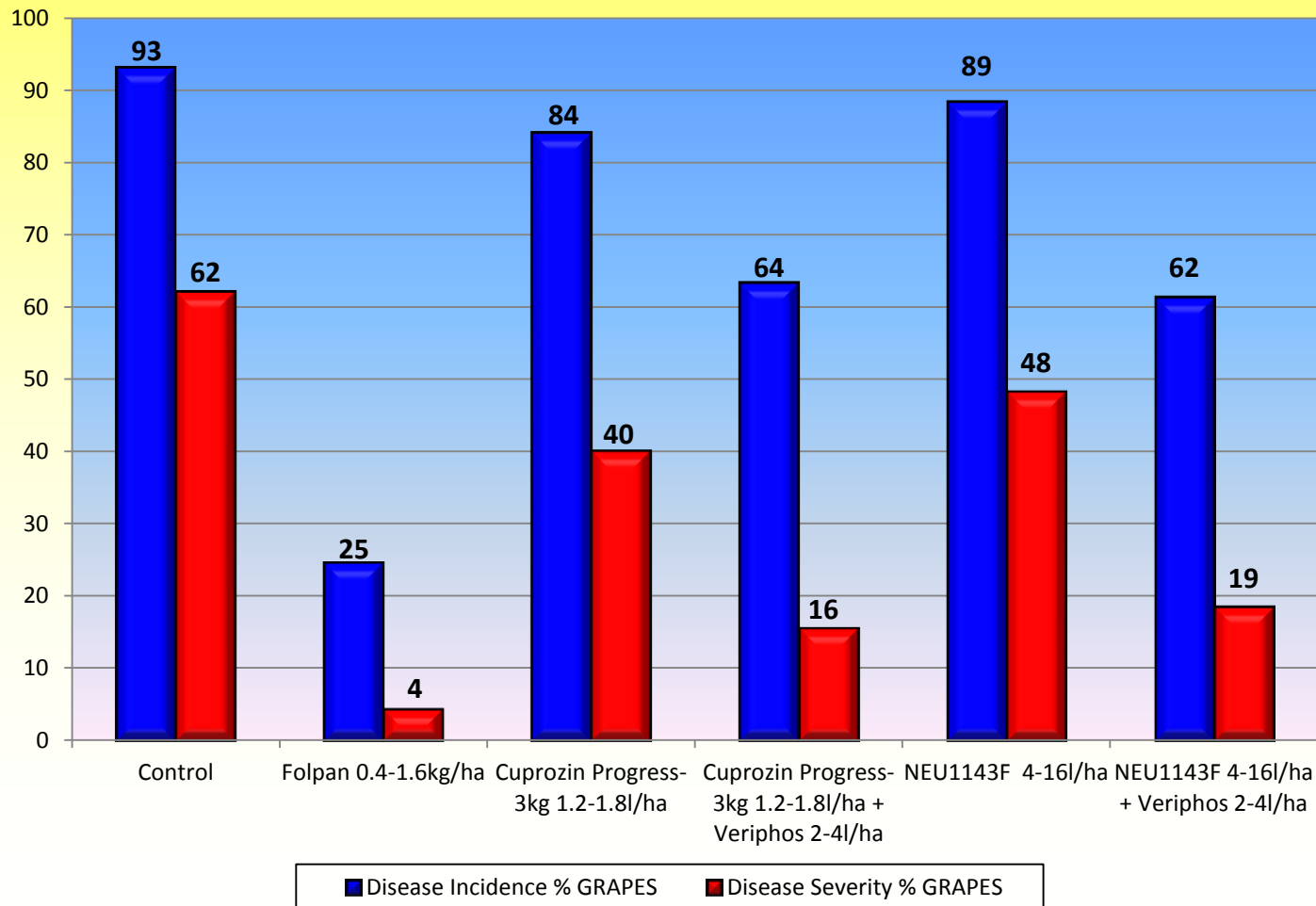


# The new fatty acid fungicide Neu 1143 F: A contribution to copper reduction in organic farming?

## Efficacy

### Downy Mildew Grapes (*Plasmopara viticola*)

Peronospora on vine disease incidence and severity % on GRAPES 2. evaluation  
(13.8.2013)



**Trial:**  
Germany 2013

**Application:**  
9 appl.  
all products,  
8-12 day interval

**Competitor product:**  
Cuprozin Progress

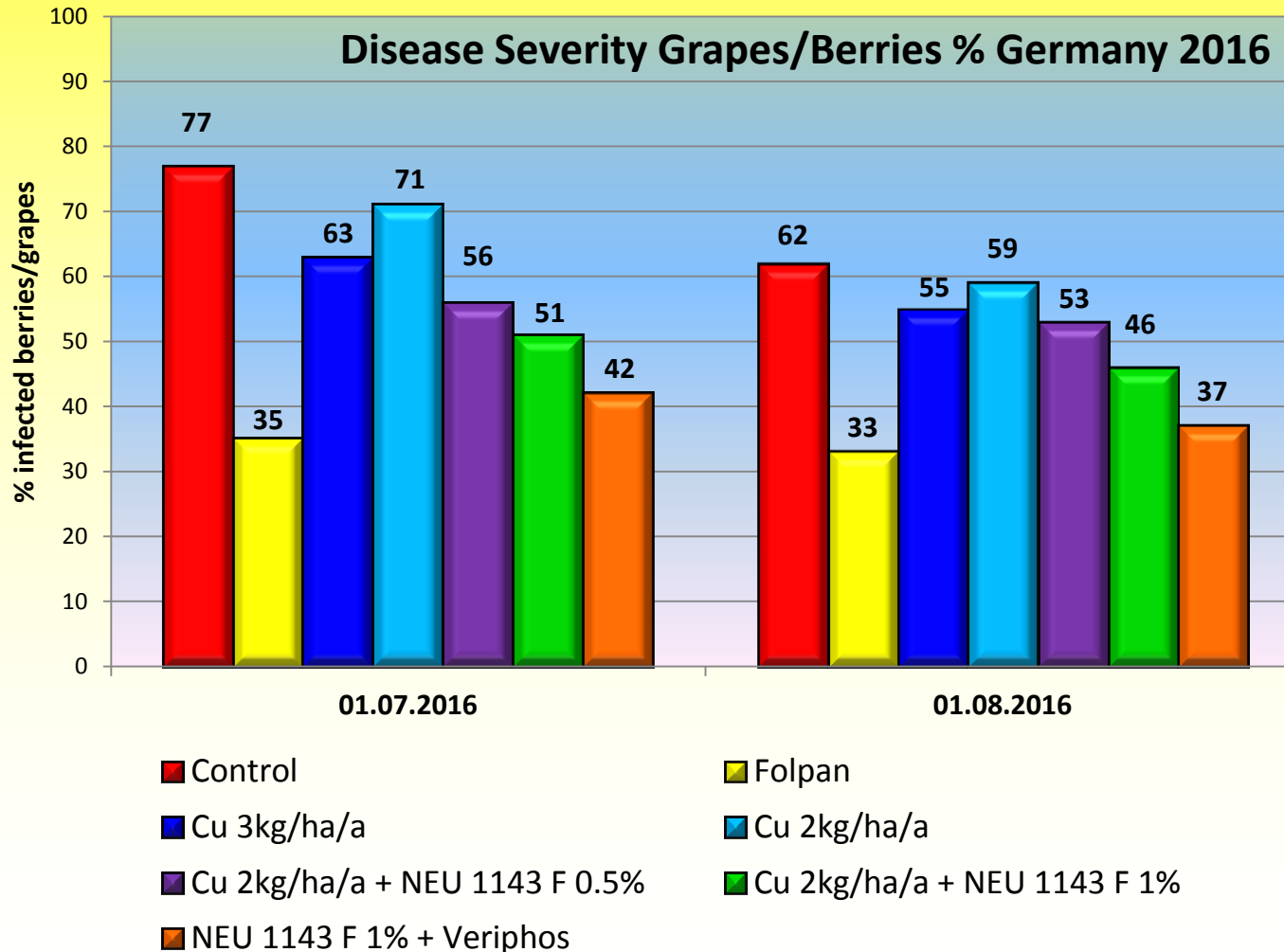
**Spray volume:**  
400-1600 l/ha



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## Efficacy

### Downy Mildew Grapes (*Plasmopara viticola*)



**Trial:**  
Germany 2016

**Application:**  
8 appl.  
all products,  
10-11 day interval

**Spray volume:**  
600-1600 l/ha





**Thank you  
for your attention!**