

## Trial Information

# Agrolution<sup>®</sup> pHLow

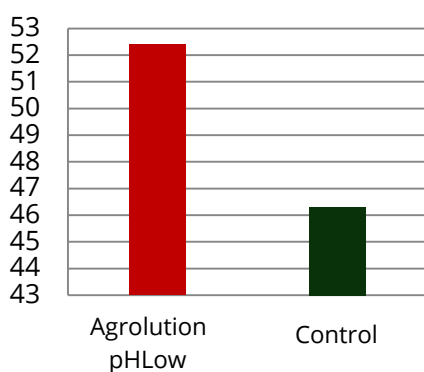
## STRAWBERRY



**Agrolution pHLow** is a water-soluble fertilizer perfect for growers who have to deal with high pH and high alkalinity in their irrigation water and/or substrate.

The acidic nature of Agrolution pHLow means that all the nutritional elements dissolve more efficiently, even in hard water. It is made of the purest ingredients and all trace elements in the fertilizer are chelated. It will keep the drip lines free of lime scale build up. Agrolution pHLow is a safe method compared to handling liquid mineral acids.

**Strawberry Total Yield  
(Mt/Ha)**



### Trial set-up

#### Objective:

Prove that using Agrolution pHLow will result in higher yields compared to grower practice (single fertilizers)

#### When:

Planting, 8 July 2014

Picking, 18 May till 29 June 2015

#### Trial station:

Landwirtschaftskammer, Nordrhein-Westfalen, Germany

#### Crop:

Strawberry, Sonata variety

#### Growing method:

Strawberry grown in tunnels on tabletop.

Growing media: 30% peat and 70% coco fibers.

#### Assessments:

Total yield and commercial yield

### Specific usage

Agrolution pHLow can be applied during the whole growth cycle.

## Conclusions

- Using Agrolution pHLow increased the total yield by **12% and the commercial yield by 16%**, compared to grower practice
- The application of Agrolution pHLow increased the **net farmer income per hectare with 16 %**



## Treatments

### A. ICL treatment

Stage	Formula	Dosage (PPM)					
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	CaO	MgO	E.C
Vegetative growth - Flowering	Agrolution pHLow 15-13-25+TE +MgSO <sub>4</sub>	108	90	180	160	40	2.0
Flowering - Harvest	Agrolution pHLow 15-13-25+TE and 10-10-40+TE +MgSO <sub>4</sub>	90	80	220	160	45	1.9

### B. Grower's practice

Stage	Tank A 100 lts. (Kg)					Tank B 100 lts. (Kg)					Nutrient content in drip line (ppm)					
	CaNO <sub>3</sub>	KNO <sub>3</sub>	AN 18%	HNO <sub>3</sub> 38%	Fe-EDDHA	KNO <sub>3</sub>	MKP	MgNO <sub>3</sub>	HNO <sub>3</sub> 38%	Micro	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	CaO	MgO	E.C
Vegetative growth - Flowering	1.5	2.1	1.1	2.8	0.3	0.7	3	0.7	2.8	-	220	140	210	194	40	1.7
Flowering - Harvest	1.9	3	-	3.2	-	0.7	3.4	0.9	3.2	-	200	140	235	200	30	1.7

Economic evaluation	Agrolution pHLow	Grower practice
Total Yield (Kg/Ha)	52.500	46.300
Commercial Yield (Kg/Ha)	41.460	35.670
Strawberry price	2,5 €	2,5 €
Gross income / Ha	103.650 €	89.175 €
Picking costs /Ha	52.500 €	46.300 €
Extra costs of Agrolution pHLow vs grower practice	350 €/Ha	-
<b>Net Extra Income / Ha</b>	<b>7.925€ / Ha</b>	



## Why choose Agrolution pHLow ?

- Agrolution pHLow analyses contain the right NPK balance for all growth stages. In the growers practice the N levels were much higher as what the crop demanded.
- Applying 1-2 Agrolution pHLow formulas instead of 10 different single fertilizers will result in less human mistakes.
- More convenient to calculate nutrient levels in the irrigation solution when using only 1 – 2 formulas

### Attention

Recommendations in this trial info sheet are based on local soil and/or water analyses. Please contact your local ICL Specialty Fertilizers adviser for your personalized fertilizer recommendation. Consult [www.icl-sf.com](http://www.icl-sf.com) for your contact in the region.

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