

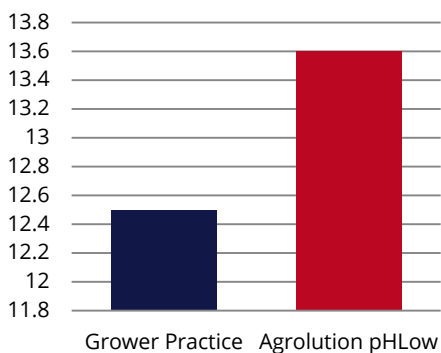
Trial Information

Agrolution[®] pHLow

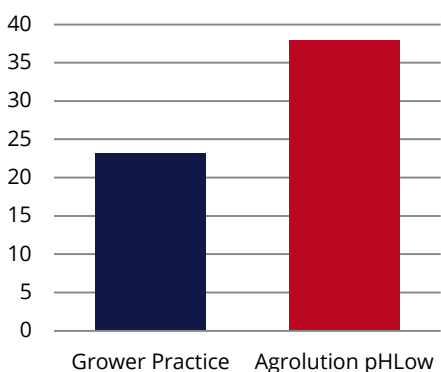
BLUEBERRY



Yield/ha, MT



Number of one-year shoots



The Agrolution range of water soluble fertilizers has been developed with a double objective: the availability of all nutrients in the correct proportions and the convenience of solving water quality problems with one product.

Agrolution pHLow products are designed for irrigation with hard water.

Agrolution pHLow has a strong acidifying effect, reducing the bicarbonates level of the irrigation water, preventing and maintaining the irrigation systems clean. It consists of pure nutrients and chelated trace elements, all dissolving quickly in water.

Trial set-up

Objective: Evaluate the effect of Agrolution pHLow in comparison with conventional fertilizers

Trial station: Poland

Crop: Blueberry, variety Bluecrop

Assessments: Total yield
Shoots length
Leaf chlorophyll concentration

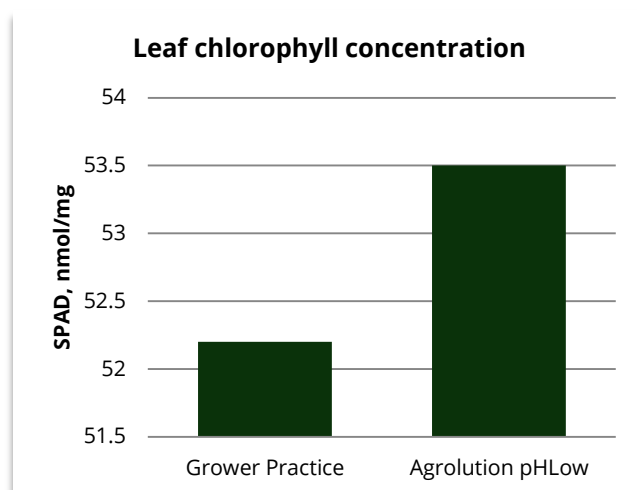
Conclusions

- By using Agrolution pHLow, total yield increase of 8.4%
- Due to Agrolution pHLow, the plants were better nourished (proved by SPAD measurements), an improvement in branching was observed and had longer first-year shoots, which will positively affect the yield next year
- Using Agrolution pHLow, an extra income of 3,075 €/ha is generated compared to grower practice



Treatment	Product	Dosage, kg/ha	Fertilizers units, kg/ha			Timing & Method of application
			N	P ₂ O ₅	K ₂ O	
Agrolution pHLow	DAP (18-46-0)	50 kg/ha	56	38	50	April Broadcast
	Agromaster 19-5-20+4MgO 2-3M longevity, 34% coated N	250 kg/ha				
	Agrolution pHLow 20-20-20+TE	60 kg/ha				
	Agrolution pHLow 15-13-25+TE	120 kg/ha				
Agrolution pHLow 15-13-25+TE	Agrolution pHLow 15-13-25+TE	120 kg/ha	22	19	46	June Fertigation
	Agrolution pHLow 10-10-40+TE	40 kg/ha	18	15	30	July Fertigation
	Agrolution pHLow 15-13-25+TE	120 kg/ha				
Total fertilizers units, kg/ha			126	99	168	
Grower Practice	DAP (18-46-0)	100 kg/ha	81	46	105	April Broadcast
	Potassium Sulphate (0-0-50)	90 kg/ha				
	NPK + MgO (0-0-30+10MgO)	200 kg/ha				
Ammonium Sulphate (21-0-0)	Ammonium Sulphate (21-0-0)	300 kg/ha	32			May Broadcast
	Ammonium Sulphate (21-0-0)	150 kg/ha				
Unica Calcium (14.2 - 0 - 24 +12CaO)	160 kg/ha	22		38		June Broadcast
Total fertilizers units, kg/ha			135	46	143	

Economic evaluation	Agrolution pHLow	Grower Practice
Marketable yield, MT/ha	13.6	12.5
Gross income, €/ha	40,800	37,500
Extra cost of ICL treatment (vs. grower practice), €/ha	224	
Extra income/ha (vs. grower practice), €/ha	3,075	



Why does Agrolution pHLow perform better?

- Agrolution pHLow has a strong acidifying effect, maintaining the soil pH to an optimum level for plants to grow and perform evenly.
- Agrolution pHLow analyses contain the right NPK balance for all growth stages, thus the excess of fertilizers provided by grower practice at the beginning of vegetation is avoided.
- By using only 3 analysis of Agrolution pHLow, the nutrient use efficiency via fertigation is improved vs broadcast fertilizers

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 for your contact in the region.

Distributed by:

ICL Specialty Fertilizers

P.O. Box 40 - 4190 CA Geldermalsen
Koeweistraat 4 - 4181 CD Waardenburg
The Netherlands



ICL Specialty Fertilizers