

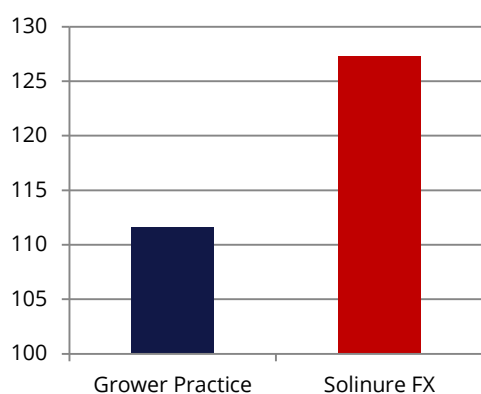
Trial Information

Solinure[®] FX

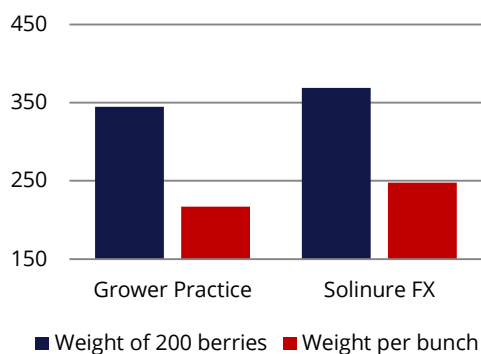
VINEYARDS



Yield, hl/ha



Berries and bunch weight, grams



Solinure FX is an innovative range of water soluble fertilizers designed specifically for open-field fertigation. Solinure FX contributes to the reduction of the pH solution due to its acidifying effect.

Solinure FX does not have any trace elements in its formulation which allows users to customize their fertilization plans by adding individual micro-nutrient fertilizers (e.g. Micromax).

Solinure FX products are recognized for their great value for money.

Trial set-up

Objective: To demonstrate the benefits of using Solinure FX in comparison with conventional fertilizers.

When: April – August 2016

Location: Independent trial station, France

Crop: Vineyard, variety Syrah

Application method: Irrigation

Soil type: Loamy soil

Assessments: Total Yield (hl/ha)
Weight per bunch and berries
Wine quality parameters

Conclusions

- By using Solinure FX, the yield increased by 14% without affecting wine quality parameters
- Solinure FX increased the weight of 200 berries by 7% and the weight per bunch by 14%
- Solinure FX provided an extra income of 1,300 €/ha, compared to normal grower practice

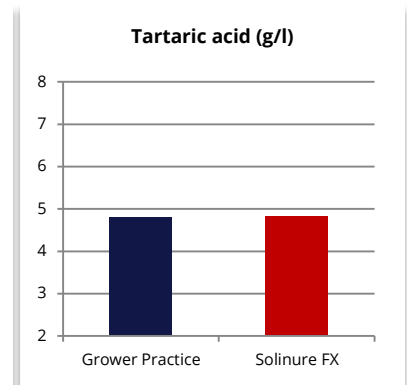
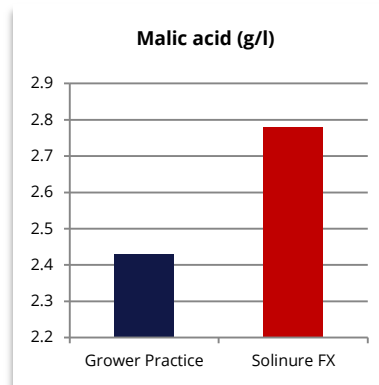
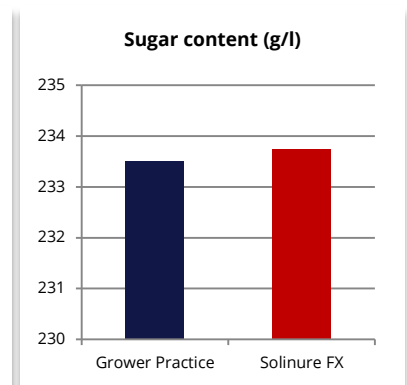
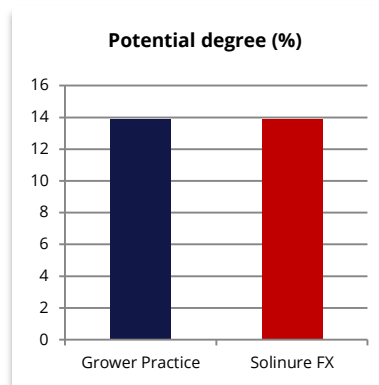


Treatments:

Object	Timing					
	Bud burst	Flowers separating	Full flowering	Berries groat - sized	Bunch closure	Veraison
Grower Practice	Granular Fertilizer 12-5-15+4MgO 400 kg/ha					
Solinure FX	Solinure FX 24-13-13 33 kg/ha					
		Solinure FX 24-13-13 33 kg/ha	Solinure FX 24-13-13 33 kg/ha			
		Nova Mag-S 16MgO+32SO3 50 kg/ha	Nova Mag-S 16MgO+32SO3 50 kg/ha			
				Solinure FX 15-5-30 55 kg/ha	Solinure FX 15-5-30 55 kg/ha	Solinure FX 15-5-30 55 kg/ha

* both objects received the same amount of nutrients, kg/ha – 48 (N), 20 (P₂O₅), 60 (K₂O), 16 (MgO)

Economic evaluation	Grower Practice	Solinure FX
Net yield, hl/ha	111.6	127.3
Gross income, €/ha	10,010	11,419
Extra cost of fertilizers (vs grower practice), €/ha		99
Extra income/ha (vs. grower practice), €/ha		1,309



Why does Solinure FX perform better?

- All the nutrients were supplied in the right ratio according to the plant needs, at specific stages.
- Although the same level of nutrients was applied per ha, the risk of nutrient losses with Solinure FX was dramatically reduced by its applications at the right stages.
- The presence of chloride in the fertilizer had no detrimental effect on the plant development, plant nutrition, plant health or the wine quality parameters

In general, when yield increases, important wine quality parameters, like potential degree, sugar content, malic and tartaric acid, tend to decrease due to a dilution effect.

Besides malic acid, which was significantly improved, for all the others parameters there were no significant differences. This proves that, by using Solinure FX, yield increases while quality parameters are maintained at an optimum level.

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:

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