

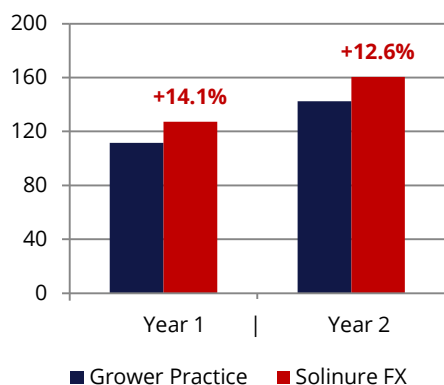
Trial Information

Solinure[®] FX

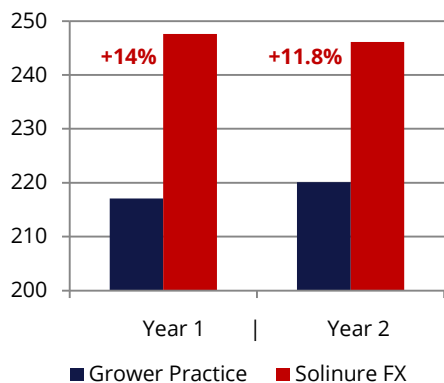
VINEYARDS



Yield, hl/ha



Weight per bunch (g)



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: 2 years trial

Location: Independent trial station, France

Crop: Vineyard, variety Syrah

Application method: Irrigation

Soil type: Loamy soil

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

Conclusions

- By using Solinure FX, the yield increased in both years by 14.1% and 12.6% respectively, without affecting wine quality parameters
- Solinure FX increased the weight per bunch in both years by 14% and 11.8% respectively
- Solinure FX provided an extra income of 1,701 €/ha, compared to normal grower practice

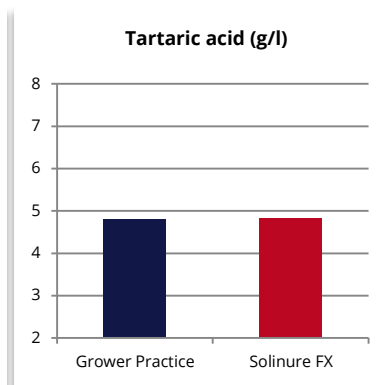
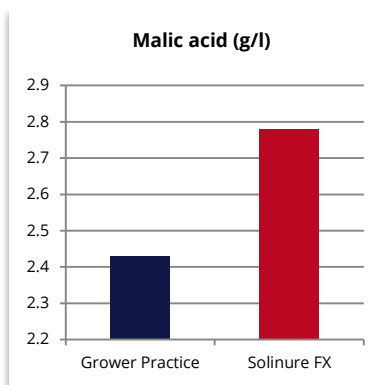
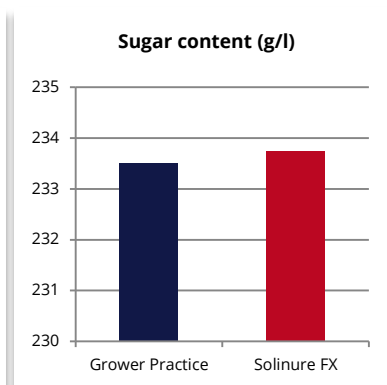
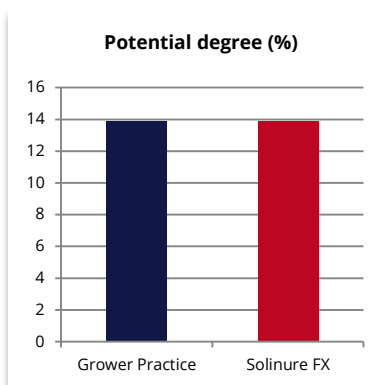


Treatments:

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 <i>(based on the last year trial results)</i>	Grower Practice	Solinure FX
Net yield, hl/ha	142.5	160.5
Gross income, €/ha	14,250	16,050
Extra cost of fertilizers (vs grower practice), €/ha		99
Extra income/ha (vs. grower practice), €/ha		1,701



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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