

# APPLE TREE

Early and uniform colouring

ILSA

TOP

ILSA

TEC



## PLACE

Test location:	Scurelle (TN)
Person in charge:	Landlab srl
Number of thesis:	16
Type of cultivation:	Open field
Technique of distribution:	Foliar application
Period:	10/05/2021 - 25/10/2021
Variety:	Gala
Tested products:	ILSAKOLORADO, ETIXAMIN BIO-K



## OBJECTIVE

To evaluate the efficacy of **ILSA** biostimulants and special formulations on the early and uniform colouring of red apples.



## FRUIT TREES

### RESULTS ACHIEVED

In cooperation with the Landlab srl Test Centre, a test was carried out on Gala apples to evaluate the effects of some formulations, applied by foliar application, on early and uniform colouring.

Two **ILSA** formulations, Etixamin Bio-K and IlsaKolorado, were compared with an untreated control thesis and a competitor used for the same objective.

The test showed the efficacy of Etixamin Bio-K, which gave significantly better results than the other thesis, both during the first and second visual analysis, thus also promoting a higher percentage of fruits harvested during the first harvest.

IlsaKolorado also gave good results, as it improved the colouring compared to the control thesis and also compared to the competitor, during the first visual analysis.

### TEST PROTOCOL

STAGE	ILSA thesis 1	ILSA thesis 2	Company thesis	Untreated
FOLIAR APPLICATIONS				
Start of veraison (23/07/2021)	<b>Etixamin Bio-K:</b> 4 kg/ha	<b>IlsaKolorado:</b> 4 kg/ha	Product based on plant extracts, methionine, with 7% K <sub>2</sub> O: 4 kg/ha	/
Veraison (05/08/2021)	<b>Etixamin Bio-K:</b> 4 kg/ha	<b>IlsaKolorado:</b> 4 kg/ha	Product based on plant extracts, methionine, with 7% K <sub>2</sub> O: 4 kg/ha	/

Other fertilisation, based on macro- and micro-nutrients and phytosanitary treatments, were similar for all thesis, as per company practice.

Volume of water per treatment: was 1300 litres (**Product dosage: 300 grams / 100 litres of water**)

# APPLE TREE

Early and uniform colouring

ILSA

TOP

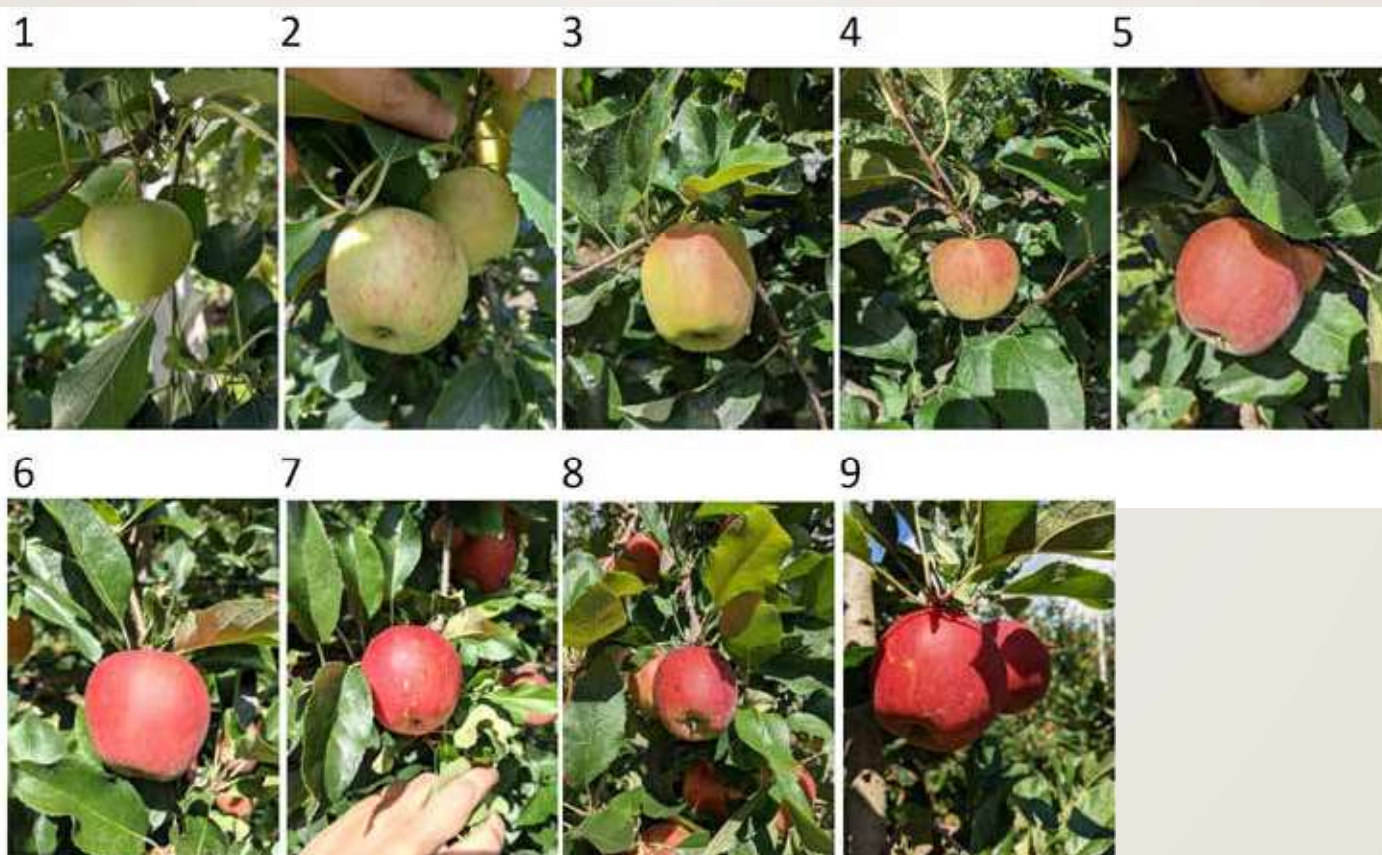
ILSA

TEC



## RESULTS ACHIEVED

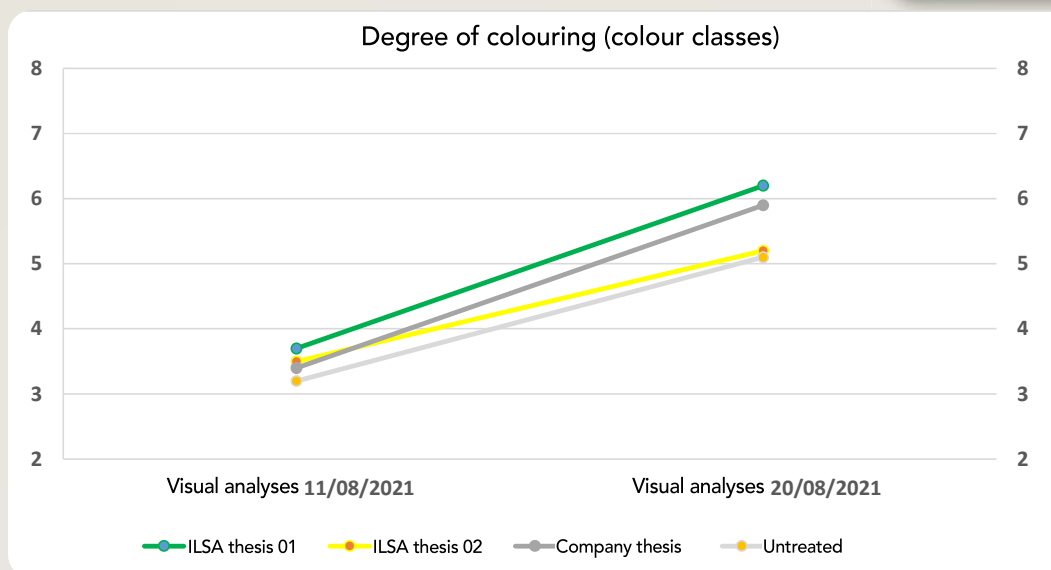
	ILSA thesis 1	ILSA thesis 2	Untreated	Control thesis	Pr > F (Model)	Significance
Visual analysis 11/08/2021 (colour class)	<b>3.7 a</b>	<b>3.5 ab</b>	3.4 bc	3.2 c	0.0	Yes
Visual analysis 20/08/2021 (colour class)	<b>6.2 a</b>	<b>5.2 c</b>	5.9 b	5.1 c	< 0.0001	Yes



Colour classes used to evaluate the degree of colouring of apples.



# FRUIT TREES



	ILSA thesis 1	ILSA thesis 2	Company thesis	Untreated
Fruit percentage during first harvest (30/08/2021) (%)	<b>84.5</b>	<b>79.3</b>	82.6	78.8
Fruit percentage during second harvest (07/09/2021) (%)	<b>15.5</b>	<b>20.7</b>	17.4	21.2
TOT (%)	<b>100</b>	<b>100</b>	100	100
Average fruit size (mm)	<b>71.0</b>	<b>69.9</b>	69.7	70.0

## ILSA THESIS



Detail of the first harvest for **ILSA** thesis 1. The more advanced state of colouring and ripening allowed a higher percentage of apples to be harvested during the first harvest.

