

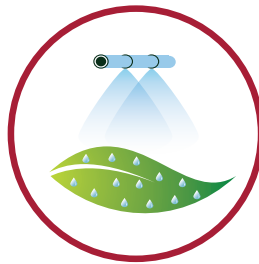
# Agroleaf<sup>®</sup> Liquid Balance Potato



## Trial information

Agroleaf Liquid Balance is a high quality liquid NPK foliar fertilizer providing balanced nutrition. Agroleaf Liquid contains a unique, ICL owned, technology increasing the efficiency of each foliar application: F3 SurfActive

F3 SurfActive technology consists of an innovative blend of non-ionic surfactants created to improve the nutrients' availability by:



Better spreading



Better adhesiveness



Better retention

### Trial set-up

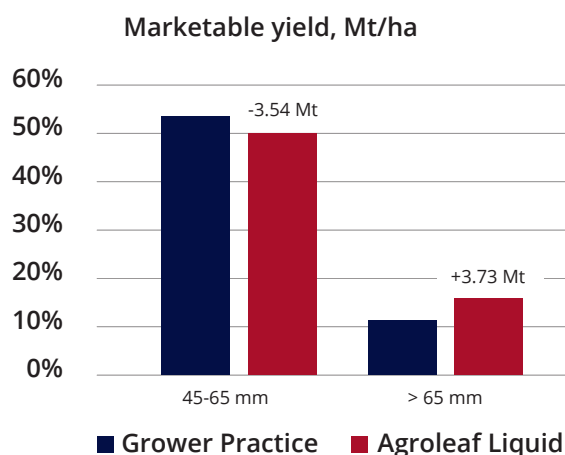
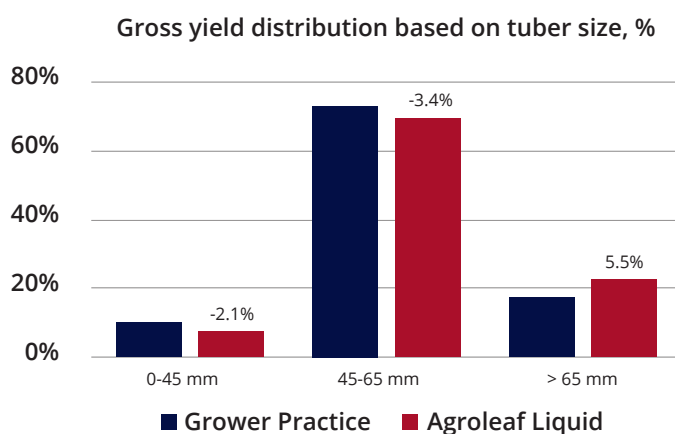
<b>Objective</b>	Testing the efficiency of the F3 SurfActive technology within the Agroleaf Liquid range compared to conventional liquid fertilizers applied as a foliar feeding.
<b>Trial station</b>	Independent trial station, UK
<b>Crop</b>	Potato / Markies
<b>Application method</b>	Foliar / Boom sprayer
<b>Treatments</b>	Grower Practice – Conventional liquid fertilizer   10-10-10+TE (without F3 SurfActive technology) Agroleaf Liquid – Agroleaf Liquid Balance   10-10-10+TE (including F3 SurfActive technology)
<b>Timing and dosages, for each treatment</b>	Dosage /application – 6 l /300 l of water Timing – tuber initiation, stem length 30 cm, flowering
<b>Assessments</b>	Gross yield / Marketable yield Tuber size distribution

## Economic evaluation

TREATMENT	MARKETABLE YIELD, (MT/HA)	GROSS INCOME (EURO/HA)	TOTAL COST OF FERTILIZERS (EURO/HA)	GROSS INCOME MINUS FERTILIZERS COST (EURO/HA)
Grower Practice	66.65	6122.5	102.6*	6019.9
Agroleaf Liquid	66.84	6177.1	117.0	6060.1

The ROI was calculated based on potato price of 90 euro/MT for tuber size 45-65mm and 100 euro/MT for tuber size > 65 mm

\*Average price based on 3 standard liquid fertilizers!



## CONCLUSIONS

- Due to F3 SurfActive technology, the efficiency of foliar feeding is improved when using Agroleaf Liquid range.
- Even though the same level of nutrients were applied as foliar feeding, Agroleaf Liquid Balance increased the marketable yield of tuber bigger than 65 mm by 3.73MT/ha
- This provided a positive Return On Investment of about 40 euro/ha