

2022



Efficacy of Optima Leaf-MnZn+ in potato

Trial design:

- Aim:** Demonstrate the efficacy of Optima Leaf-MnZn+ in potato
- Trial station:** Essais+
- Location:** Ransart; Hauts-de-France, France
- Crop:** Potato, cv Fontane
- Growth season:** 2022

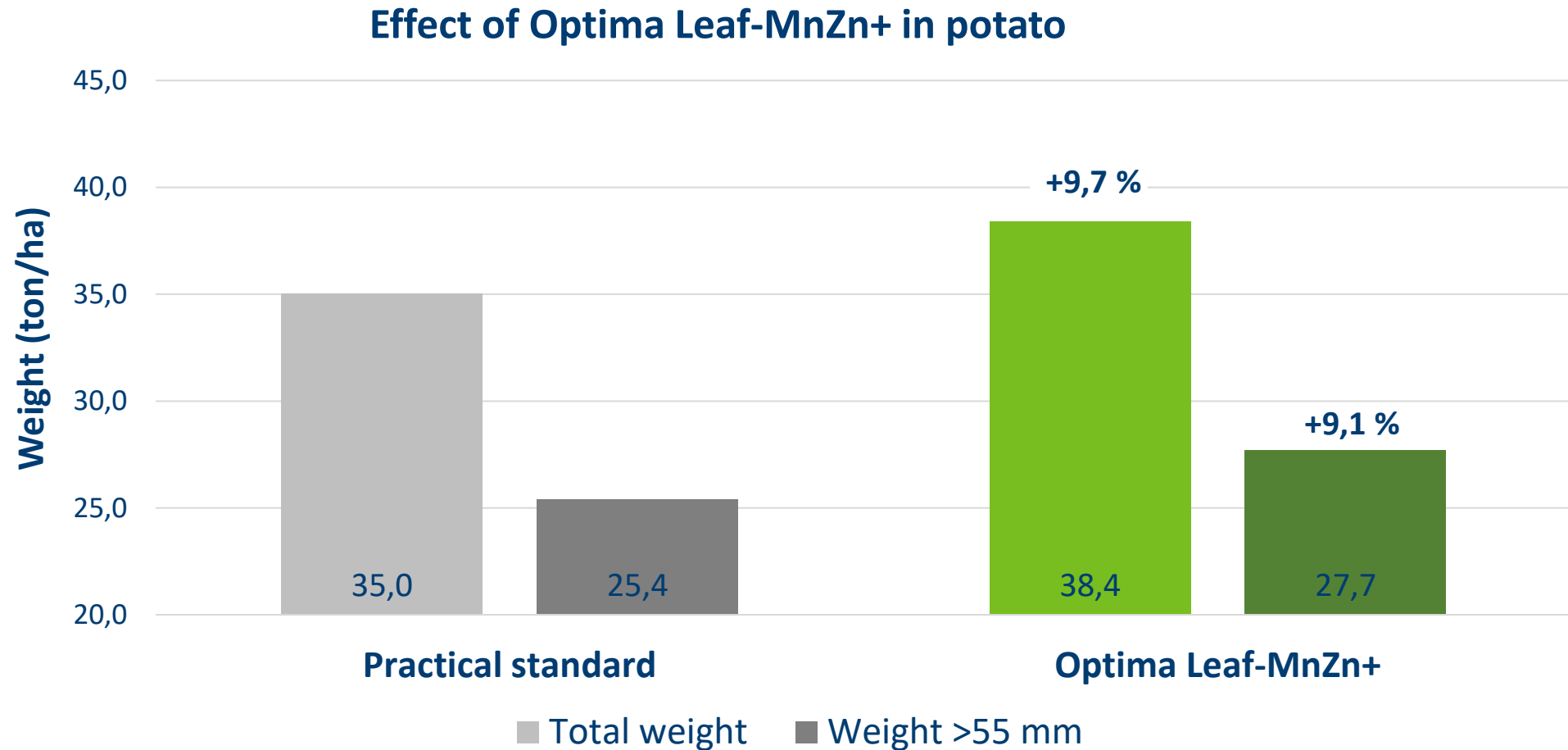


Product	Dosage	Remarks
Practical standard	-	Standard fertilization and crop protection, no foliar fertilizers
+ Optima Leaf-MnZn+	8x 1,0 l/ha @ ~7 day interval	Combined with fungicide application



Efficacy of Optima Leaf-MnZn+ in potato

Results:





Efficacy of Optima Leaf-MnZn+ in potato

Trial-design:

- Aim:** Demonstrate the efficacy of Optima Leaf-MnZn+ in potato
- Trial-station:** Vertify
- Location:** Wijster, The Netherlands
- Crop:** Potato, cv Fontane
- Growth season:** 2022

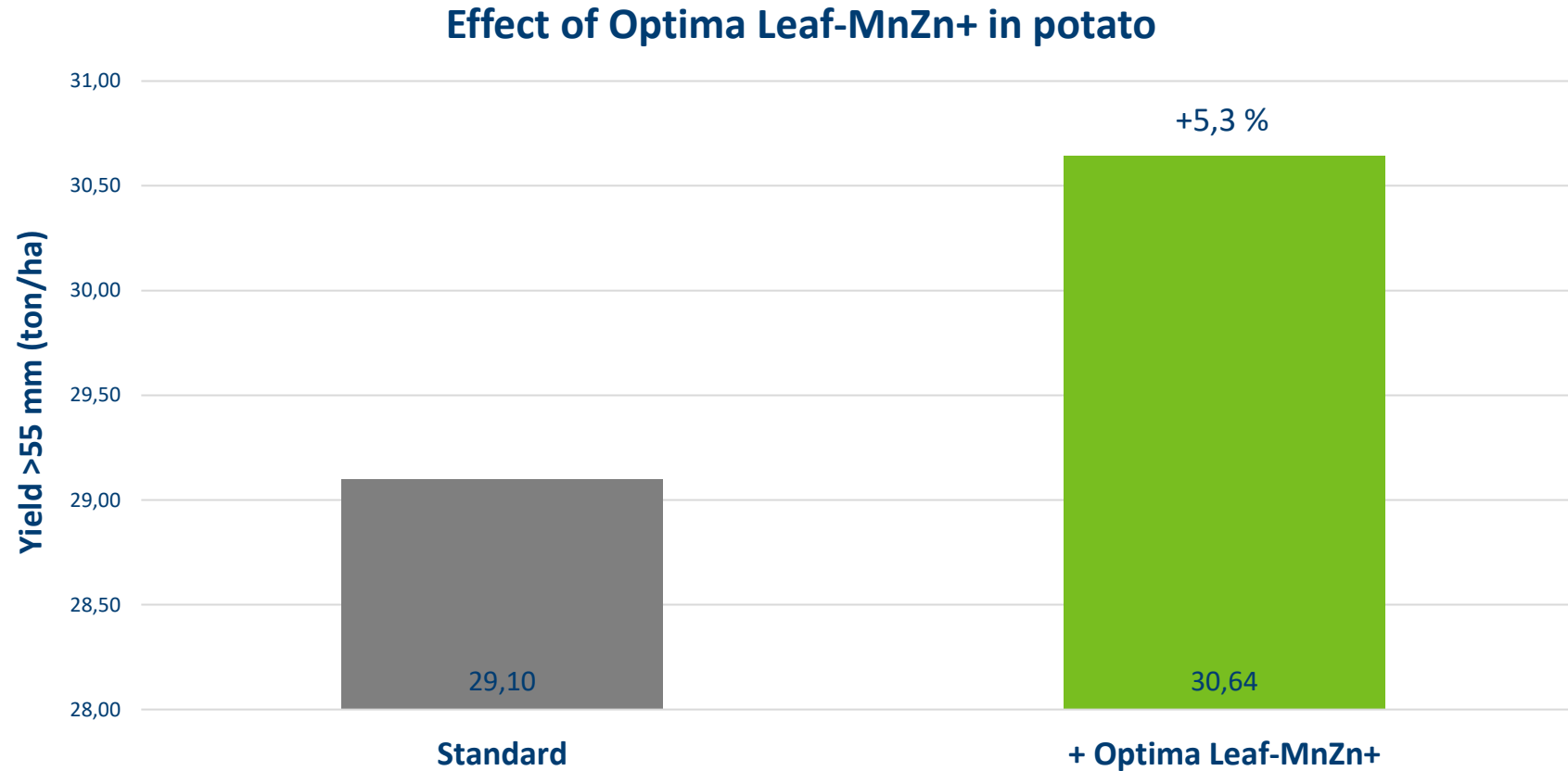


Product	Dosage	Remarks
Practical standard	-	Standard fertilization and crop protection, no foliar fertilizers
+ Optima Leaf-MnZn+	10x 1,0 l/ha @ ~7 day interval	Combined with all fungicide applications



Efficacy of Optima Leaf-MnZn+ in potato

Results:



The Soiltech foliar fertilizer **Optima Leaf-MnZn+** demonstrates a pronounced **increased yield** for the **tuber size >55 mm** of **+5,3%**.

2024



Efficacy of Optima Leaf-MnZn+ in potato

Trial-design:

Aim: Demonstrate the efficacy of Optima Leaf-MnZn+ in potato

Trial station: Vertify, The Netherlands

Crop: Potato cv Baroque

Season: 2024

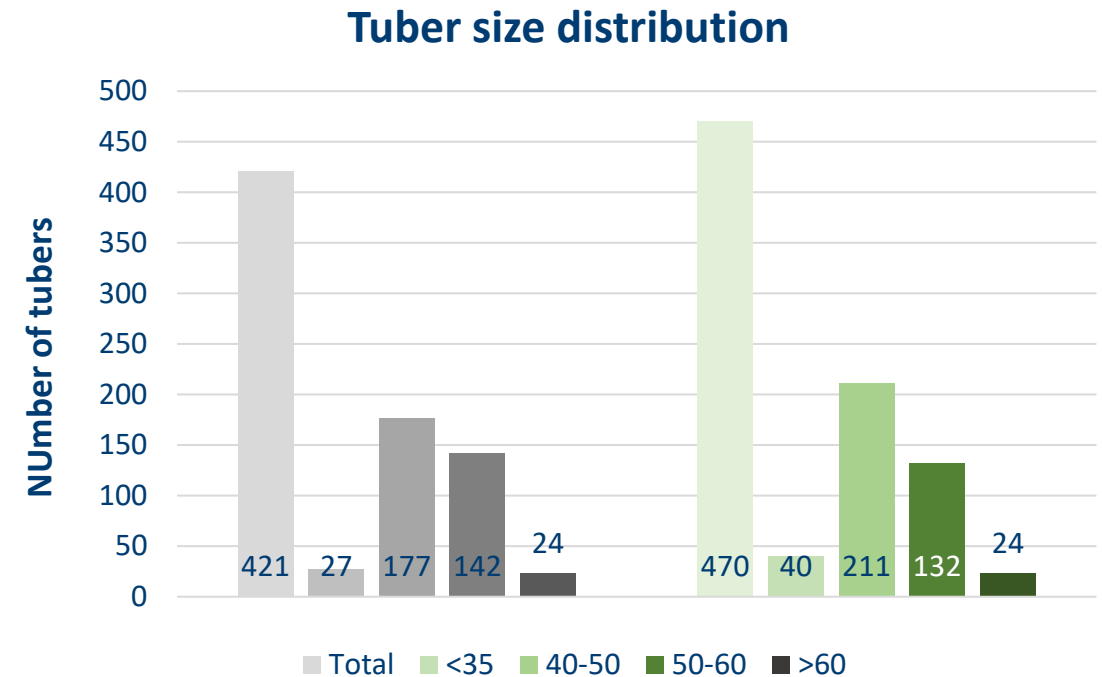
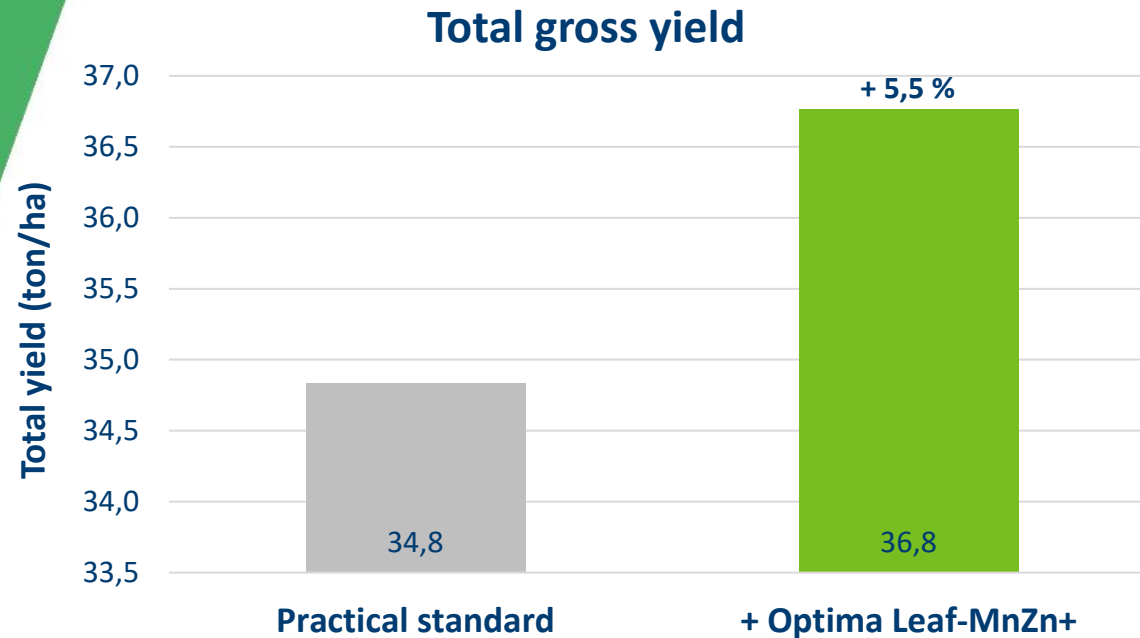


Product	Dosage	Remarks
Practical standard	-	-
+ Optima Leaf-MnZn+	4x 1,5 l/ha	Combined with fungicides



Efficacy of Optima Leaf-MnZn+ in potato

Results:



The use of **Optima Leaf-MnZn+** at **4x 1,5 l/ha** combined with the fungicide applications resulted in yield increase of **+5,5 %**. This yield increase was most pronounced in the 40-50 mm size.



Efficacy of Optima Leaf-MnZn+ in potato

Trial-design:

- Aim:** Demonstrate the efficacy of Optima Leaf-MnZn+ in potato
- Trial-station:** Practical farmers trial
- Location:** Bergues , Hauts-de-France, France
- Crop:** Potato, cv Fontane
- Growth season:** 2024

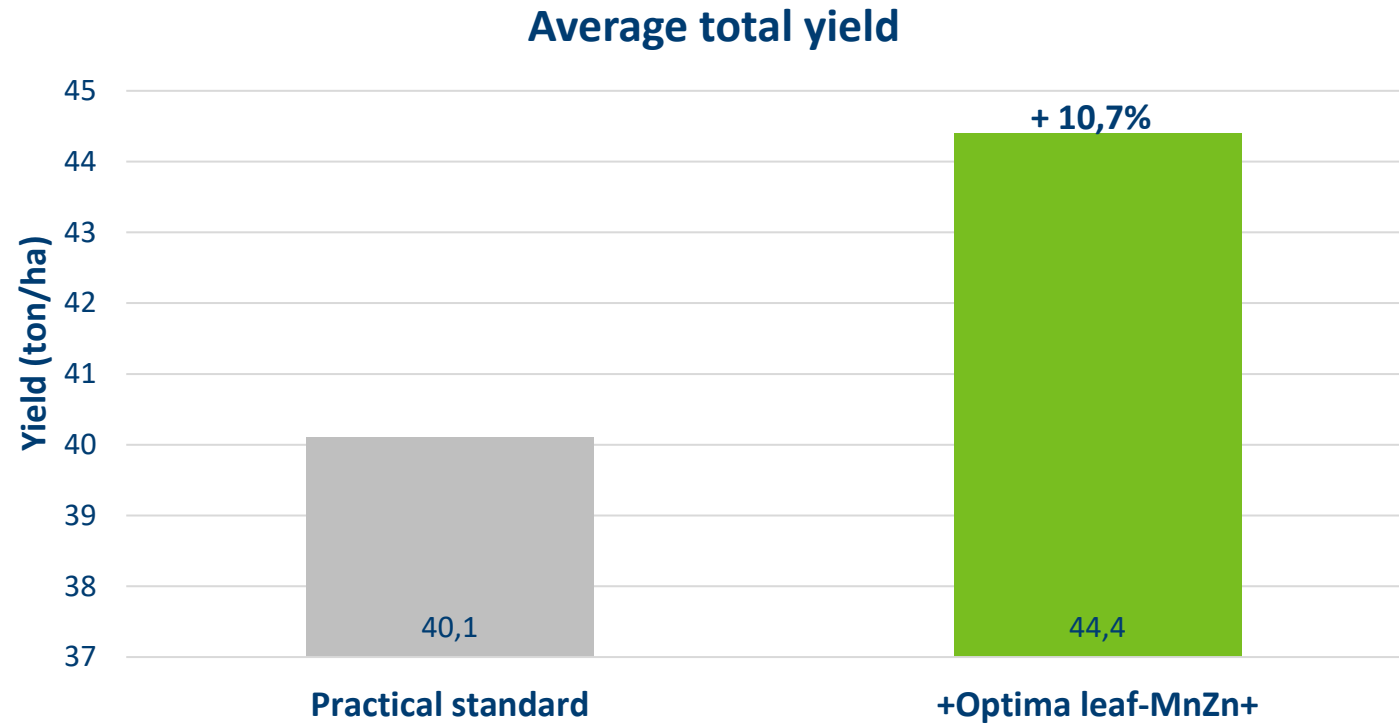


Treatment	Dosage	Remarks
Practical standard	-	Standard fertilization and crop protection
+Optima Leaf-MnZn+	5x 1,0 l/ha @ 7 days interval	1st application at tuber formation, combined with fungicide applications



Efficacy of Optima Leaf-MnZn+ in potato

Results:



The use of **Optima Leaf-MnZn+** at **5x 1,0 l/ha** combined with the fungicide applications resulted in yield increase of **+10,7 %**.



Efficacy of Optima Leaf-MnZn+ and Optima Leaf-K in potato

Trial-design:

- Aim:** Demonstrate the efficacy of Optima Leaf-MnZn+ and Optima Leaf-K in potato
- Trial-station:** Practical farmers trial
- Location:** Henin-Beaumont; Hauts-de-France, France
- Crop:** Potato, cv Innovator
- Growth season:** 2024

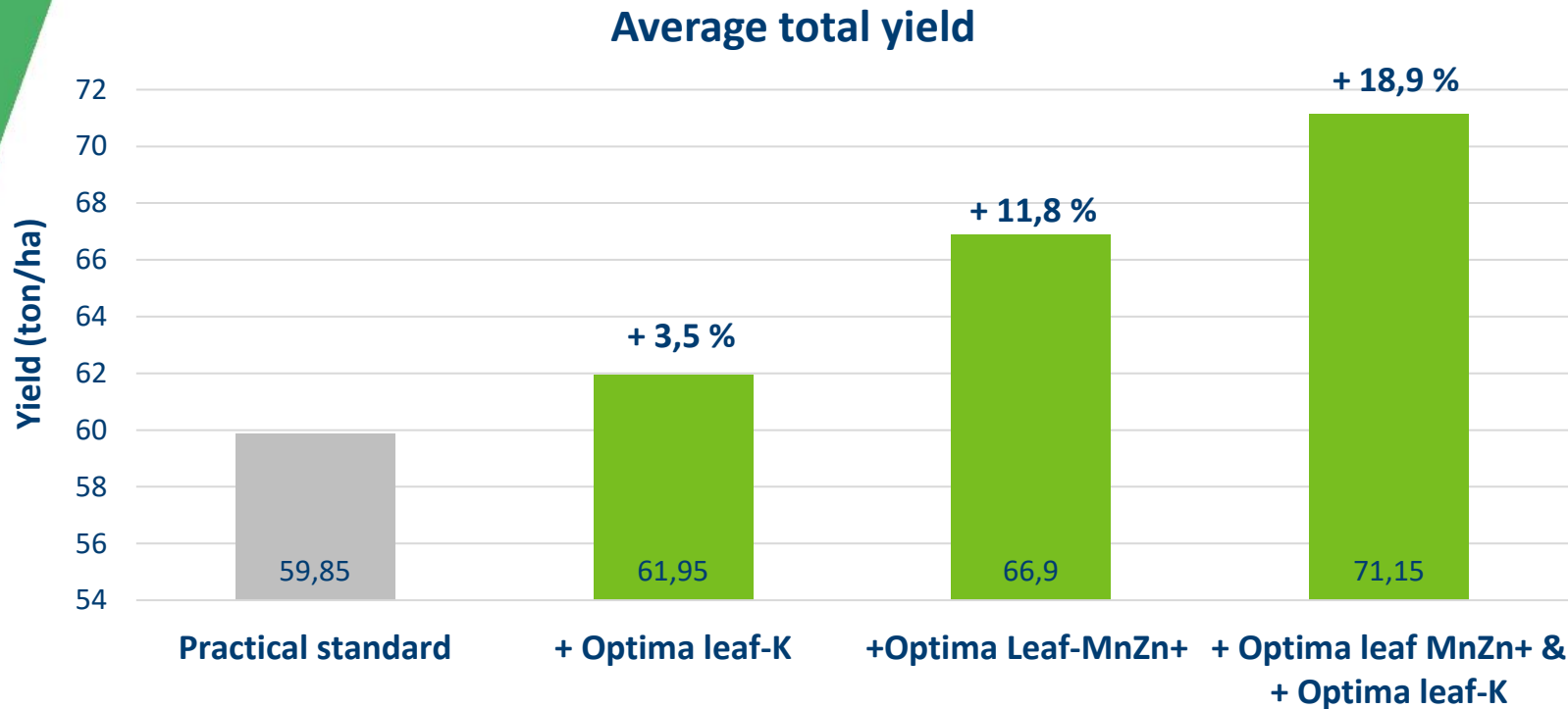


Treatment	Dosage	Remarks
Practical standard	-	Standard fertilization and crop protection
+ Optima Leaf-K	2x 5 l/ha @ 7 days interval	1st application at tuber formation, combined with fungicide applications
+ Optima Leaf-MnZn+	5x 1,0 l/ha @ 7 days interval	1st application at tuber formation, combined with fungicide applications
+ Optima Leaf-MnZn+ + Optima Leaf-K	As above	As above



Efficacy of Optima Leaf-MnZn+ and Optima Leaf-K in potato

Results:



Yield tuber size >55 mm:

Practical standard:	38,1 ton/ha
+OL-K:	51,6 ton/ha
+OL-MnZn+:	29,4 ton/ha
+OL-K & OL-MnZn+:	63,6 ton/ha

The use of **Optima Leaf-MnZn+** at **5x 1,0 l/ha** and **Optima Leaf-K** at **2x 5,0 l/ha** resulted in yield increase of **+3,5%** and **11,8%**. The **combination** resulted in a yield increase of **18,9%**.



Efficacy of Optima Leaf-MnZn+ in potato



Trial-design:

- Aim:** Demonstrate the efficacy of Optima Leaf-MnZn+ in potato
- Trial-station:** PPO-WUR Westmaas
- Location:** Westmaas, The Netherlands
- Crop:** Potato, cv Fontane
- Growth season:** 2024
- Remarks:** **Demonstration trial without repetitions**



Product	Dosage	Remarks
Practical standard	-	Standard fertilisation and crop protection
+ Optima Leaf-MnZn+	6x 1 l/ha	Application combined with fungicide sprays

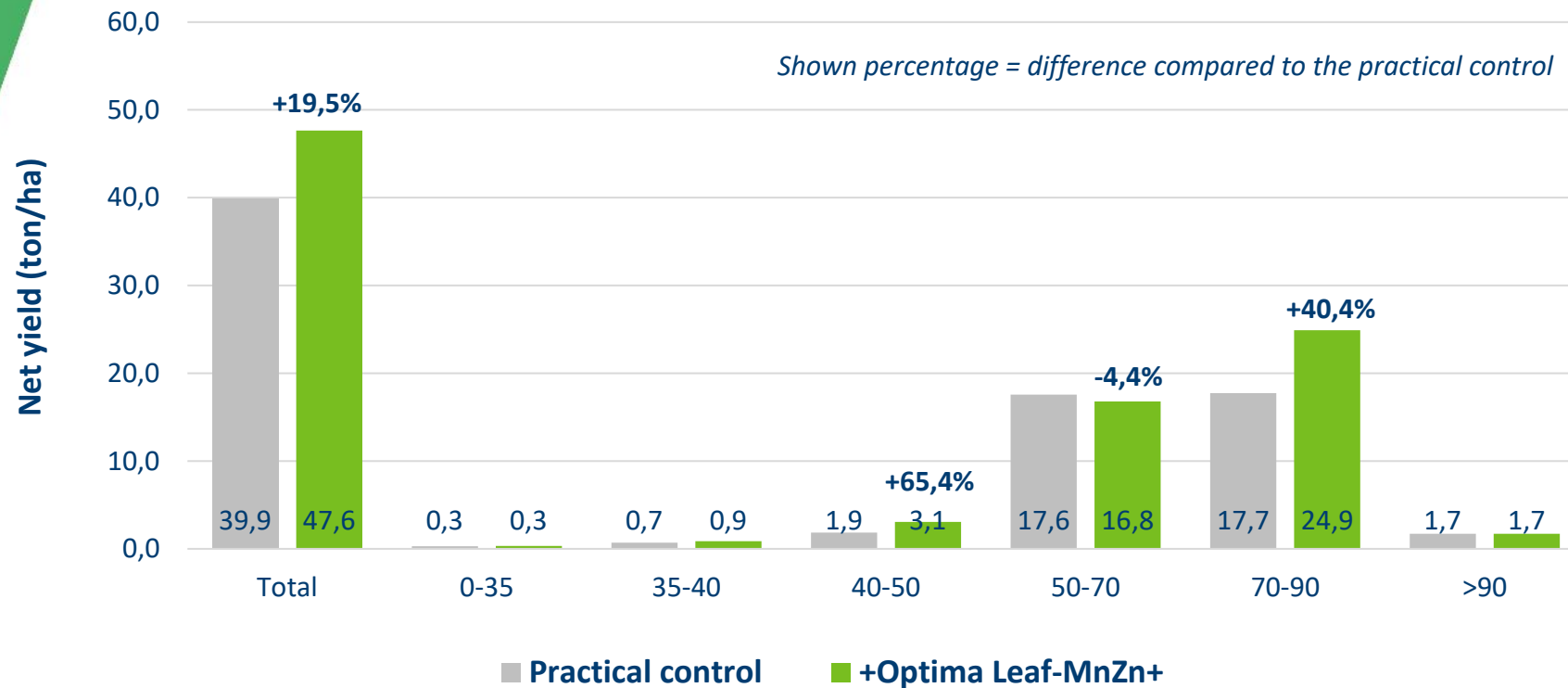


Efficacy of Optima Leaf-MnZn+ in potato



Results:

Yield



Underwater weight:

Control:	402
+OL-MnZn+:	399