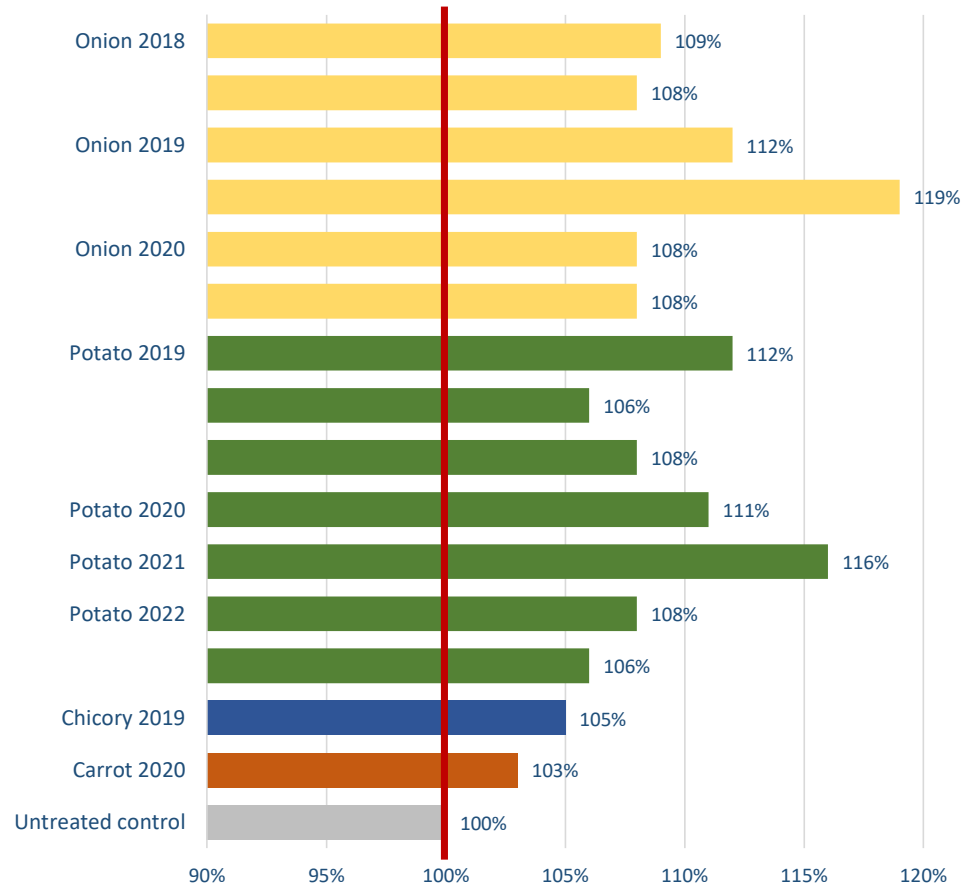




# Optima Leaf-K



Rezultatai su Optima Leaf-K



Derliaus priedas palyginus su kontrole



# Efficacy of Optima Leaf-K in potato

## *Trial design:*

- Aim:** Demonstrate the efficacy of Optima Leaf-K in potato
- Trial station:** Grower in collaboration with Soiltech
- Crop:** Potato cv Fontane
- Location:** Watervliet, Belgium
- Period:** Growth season of 2019 (extreme dry summer)



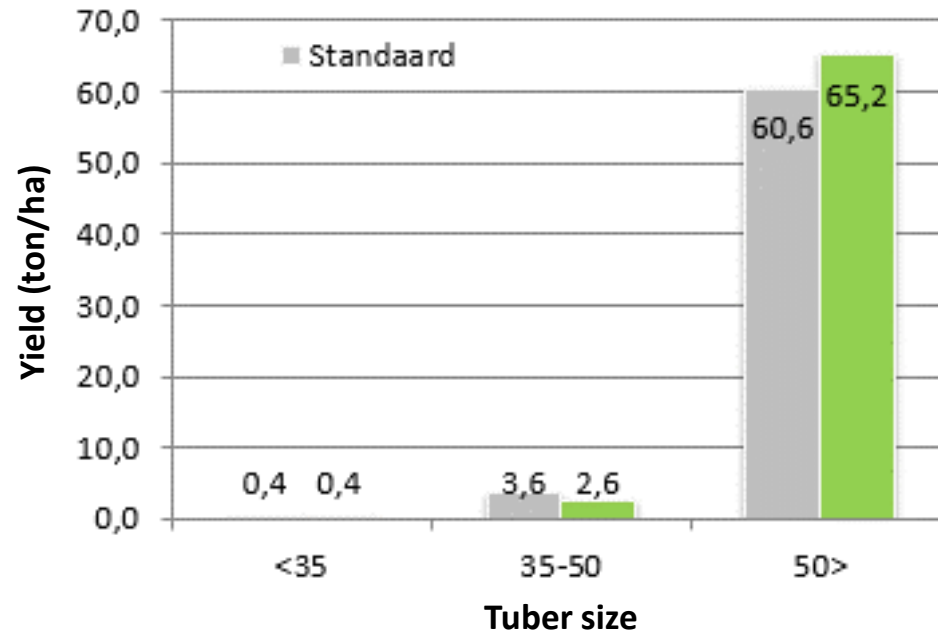
| Product            | Dosage                          | Additional remarks   |
|--------------------|---------------------------------|--|
| Practical standard | -                               | -  |
| Optima Leaf-K      | 3x 5 l/ha as foliar application | Applied in combination with the 5th, 7th and 9th fungicide treatment |



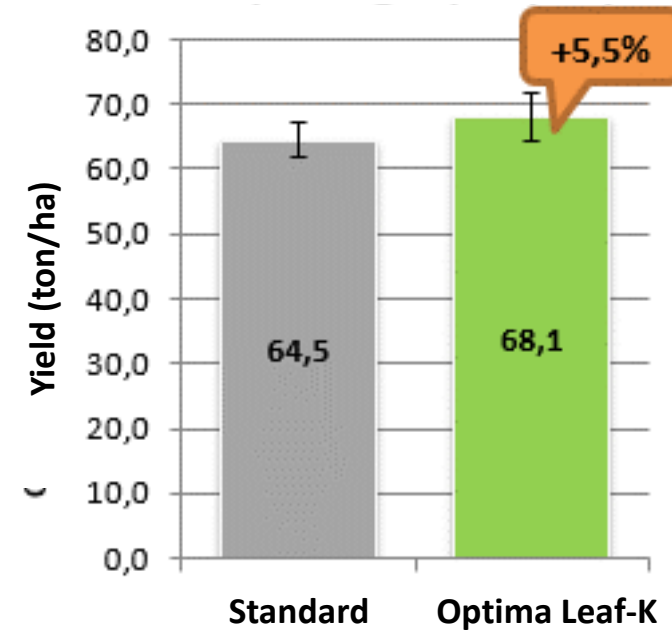
# Efficacy of Optima Leaf-K in potato

## Results:

### Yield per tuber size (ton/ha)



### Total yield (ton/ha)



Application of 3x 5 l/ha **Optima Leaf-K** results in a **5,5 %** higher yield.  
The **increased yield** was mostly from the **tubersize >50**.



# Efficacy of Optima Leaf-K in (seed)potato

## *Trial-design:*

- Aim:** Demonstrate the efficacy of Optima Leaf-K in (seed)potato
- Trial station:** SPNA Kollumerwaard, The Netherlands  
Foliar fertilizer trial 2020
- Crop:** Potato cv Innovator

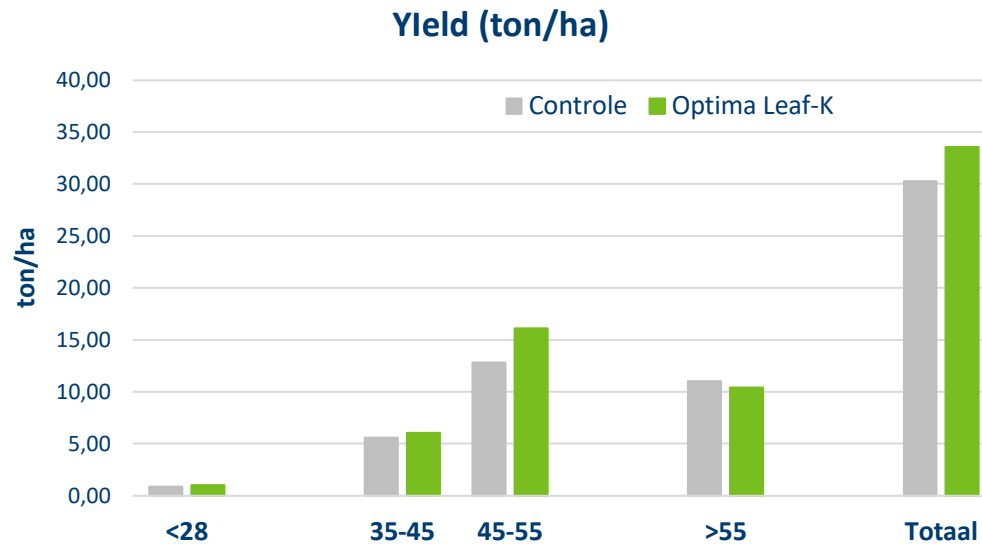


| Product            | Dosage   | Additional remarks                          |
|--------------------|--|---|
| Practical standard | -  | -   |
| Optima Leaf-K      | 3x 5 l/ha as foliar application (14 days interval) | First application at start of tuber bulking |

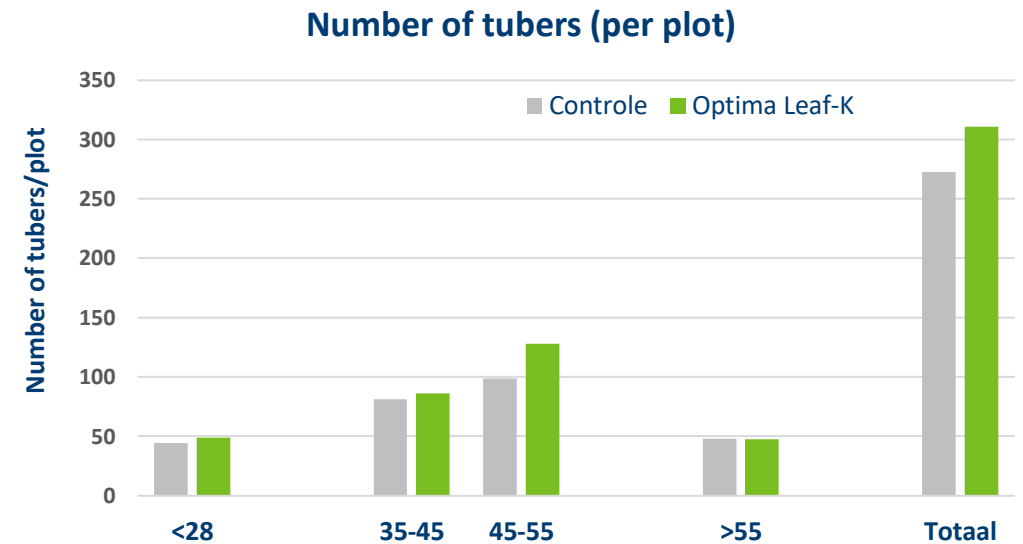


# Efficacy of Optima Leaf-K in (seed)potato

## Results:



**Application** of 3x 5 l/ha **Optima Leaf-K** resulted in an **increased yield of 10,8%**.  
For the **tuber-size 35 – 55**, the **increased yield is 20,3%**.



The **total number** of tubers harvested was **increased** with **14,1%** when plants were treated with 3x 5 l/ha **Optima Leaf-K**. For the **tubersize 35 – 55**, the **increase** was **18,9%**.





# Efficacy of Optima Leaf-K in (seed)potato

## *Trial lay-out:*

- Aim:** Demonstrate the efficacy of Optima Leaf-K for (seed)potato
- Trial station:** Proefboerderij Rusthoeve, Colijnsplaat (NL)  
Foliar fertilizer trial 2020
- Crop:** Potato cv Agria



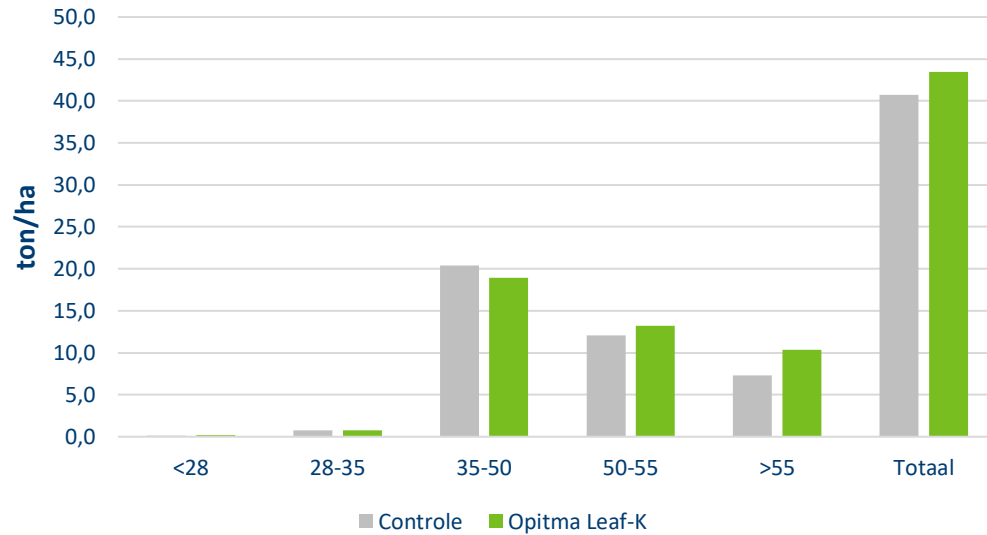
| Product            | Dosage  | Remarks  |
|--------------------|---|--|
| Practical standard | -   | -  |
| Optima Leaf-K      | 3x 5 l/ha as foliar application<br>(14 days interval) | First application when tubers started to swell |



# Efficacy of Optima Leaf-K in (seed)potato

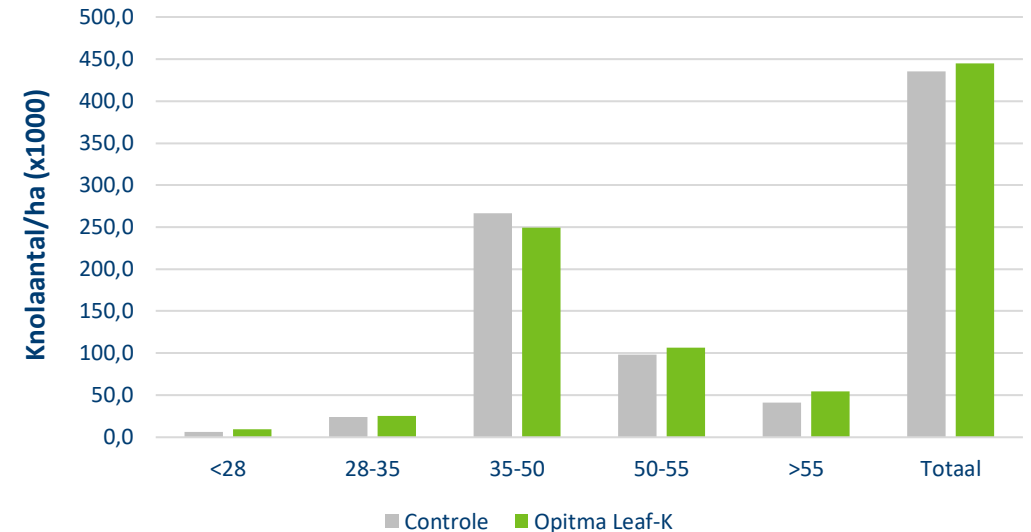
## Results:

### Optima Leaf-K in potato



Application of 3x 5 l/ha **Optima Leaf-K** resulted in a **6,8 % increased yields**; for the size **>50** the **increased yields** was **21,6%**

### Optima Leaf-K in potato



Also the **total number of tubers** was increased by **2,2%**, for the size **>50** the increase was **15,7%**



# Efficacy of Optima Leaf-K in potato



## *Trial-design:*

**Aim:** Demonstrate the efficacy of Optima Leaf-K in potato.

**Trial-station:** PCA, Kruishoutem (Belgium)

**Crop:** Aardappel cv Fontane

**Growth season:** 2021



| Product            | Dosage   | Remarks  |
|--------------------|--|--|
| Practical standard | -  | -  |
| Optima Leaf-K      | 3x 5 l/ha as foliar application (14 days interval) | First application when tubers started to swell |

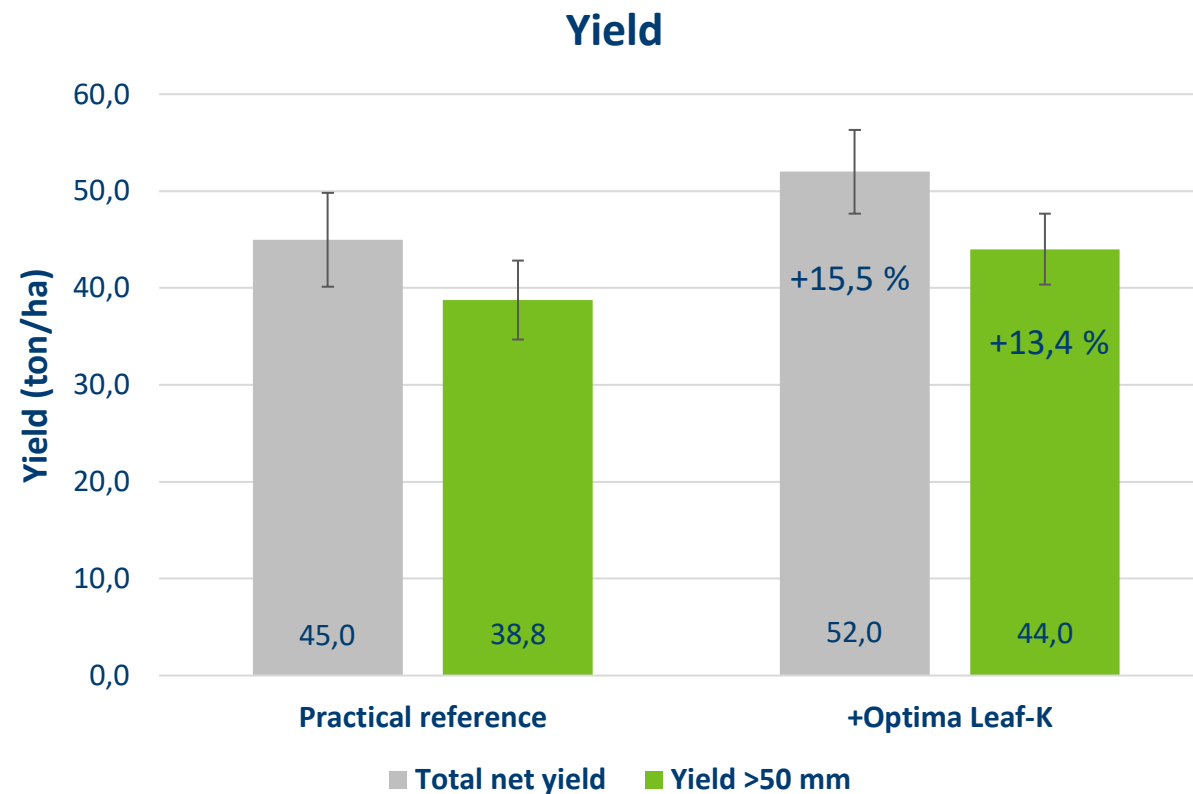




# Efficacy of Optima Leaf-K in potato



## Results:



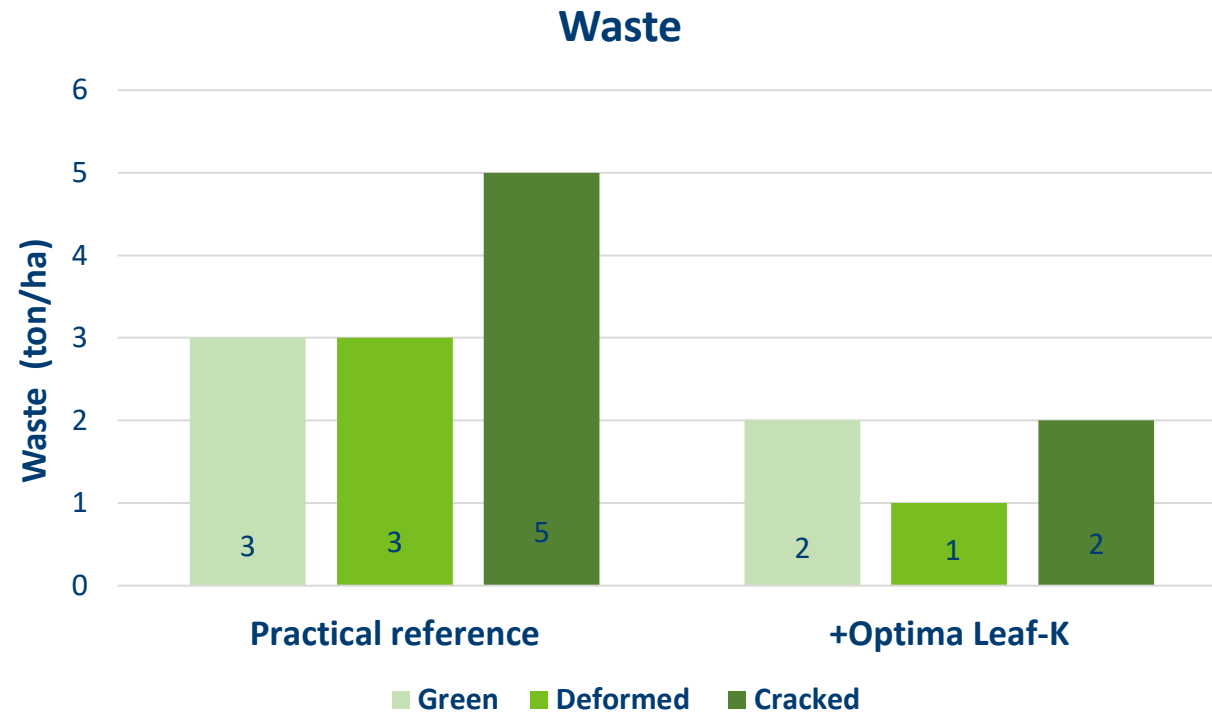
Application of **Optima Leaf-K** results in a **pronounced increased yield**.



# Efficacy of Optima Leaf-K in potato



## Results:



| Product             | Underwater-weight |
|---------------------|-------------------|
| Practical reference | 405               |
| + Optima Leaf-K     | 416               |

Also the **quality improved**. Application of **Optima Leaf-K** resulted in **less waste** and an **increased underwater weight**.



# Efficacy of Optima Leaf-K in potato

## *Trial-design:*

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

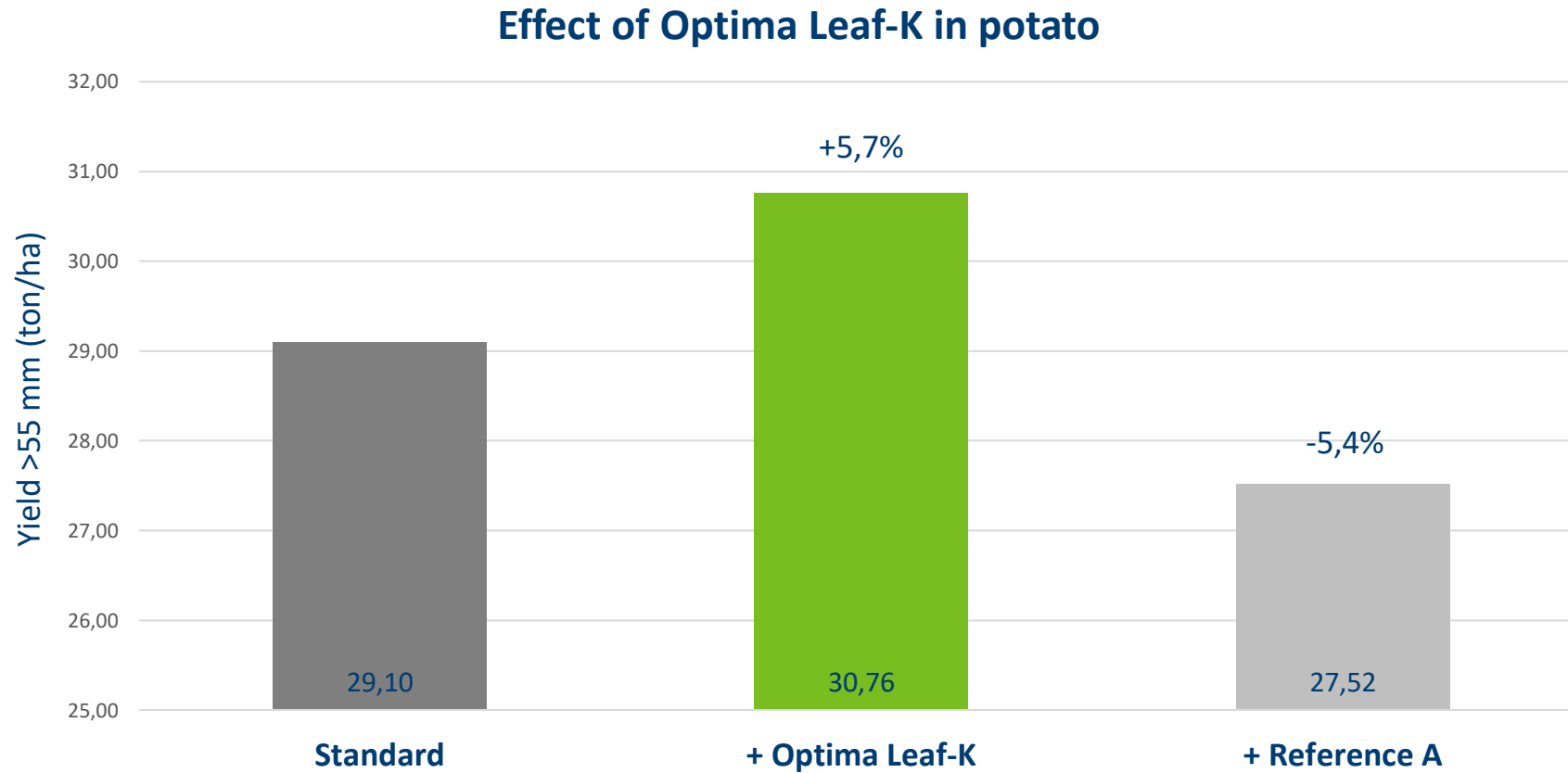


| Product            | Dosage                         | Remarks   |
|--------------------|--------------------------------|---|
| Practical standard | -                              | Standard fertilisation and crop protection, no foliar fertilisers |
| + Optima Leaf-K    | 3x 5,0 l/ha @ ~14 day interval | 1st application at start of tuber bulking                         |
| + Reference A      | 3x 5,0 l/ha @ ~14 day interval | 1st application at start of tuber bulking                         |



# Efficacy of Optima Leaf-K in potato

## Results:



The Soiltech foliar fertiliser **Optima Leaf-K** demonstrate a pronounced **increased yield** for the **tuber size >55 mm** of **+5,7%**.



# Efficacy of Optima Leaf-K in potato

## *Trial-design:*

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



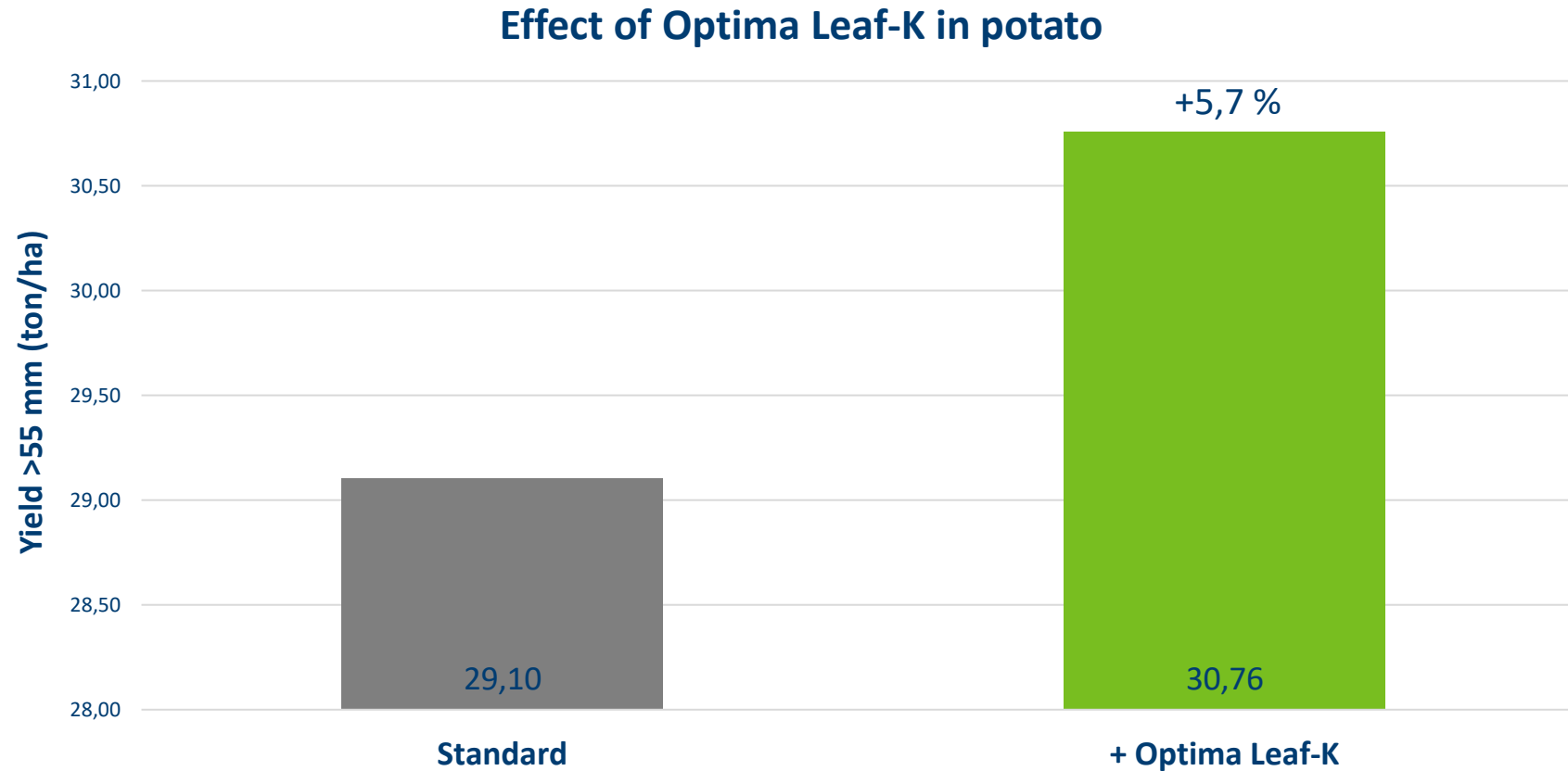
| Product            | Dosage                         | Remarks   |
|--------------------|--------------------------------|---|
| Practical standard | -                              | Standard fertilisation and crop protection, no foliar fertilisers |
| + Optima Leaf-K    | 3x 5,0 l/ha @ ~14 day interval | 1st application at start of tuber bulking                         |





# Efficacy of Optima Leaf-K in potato

## Results:



The Soiltech foliar fertiliser **Optima Leaf-K** demonstrate a pronounced **increased yield** for the **tuber size >55 mm** of **+5,7%**.



# Efficacy of Optima Leaf-K in potato

## *Trial-design:*

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

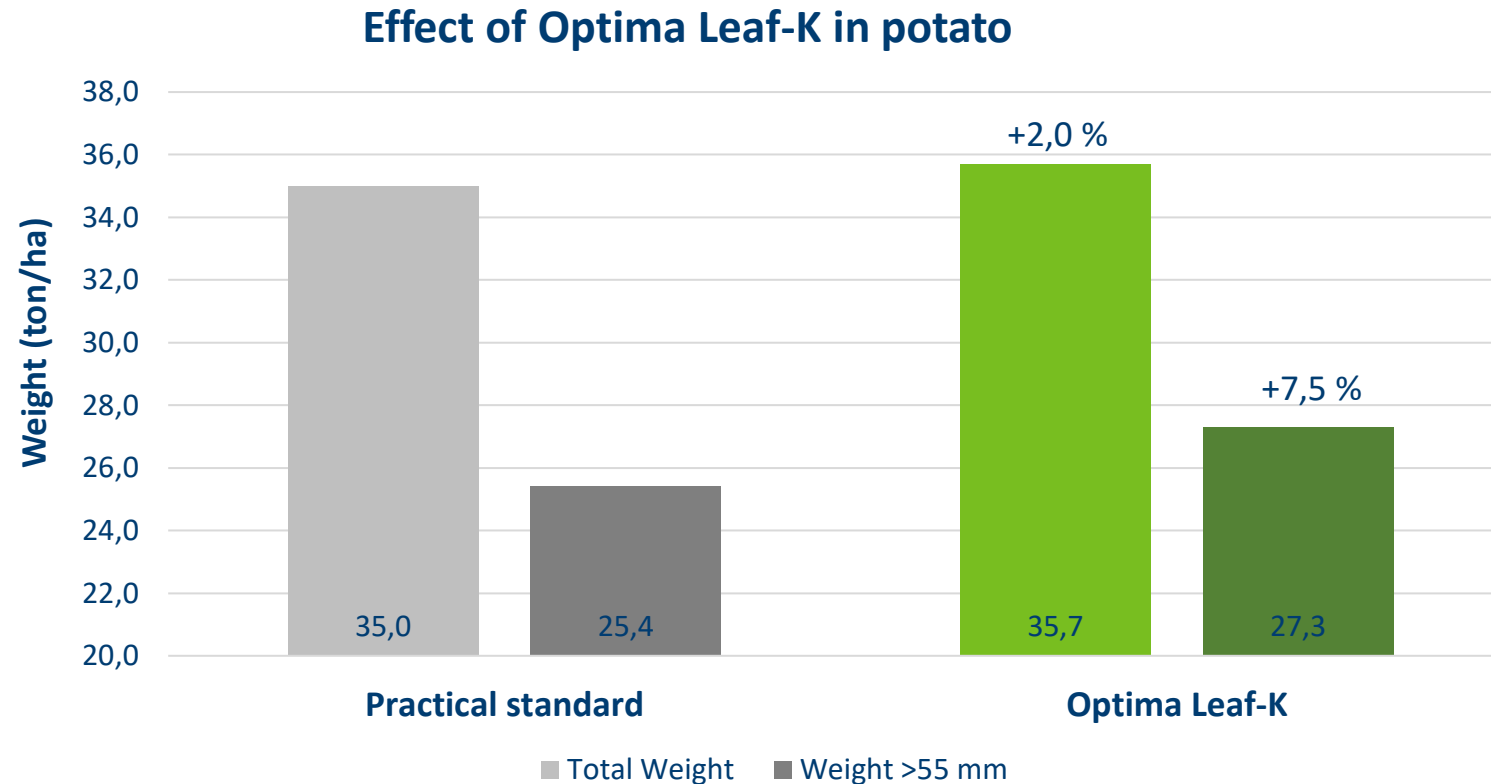


| Product            | Dosage                         | Remarks   |
|--------------------|--------------------------------|---|
| Practical standard | -                              | Standard fertilization and crop protection, no foliar fertilizers |
| + Optima Leaf-K    | 3x 5,0 l/ha @ ~14 day interval | 1st application at start of tuber growth                          |



# Efficacy of Optima Leaf-K in potato

## Results:



The application of **Optima Leaf-K** resulted in a **pronounced yield increase**. For the **tuber size >55 mm**, the **yield increase** was **+7,5%** compared to the practical standard.