



Optima Sugar+



Wat is het:

Bladvoedingsproduct op basis van hoge concentraties **calcium, mangaan, magnesium en spoorelementen**.

Doel:

Optima Sugar+ verhoogt de **vitaliteit** van het gewas en optimaliseert de fotosynthese-capaciteit. Met name tijdens cruciale fases voor de opbrengst, kan een verhoogde bladvitaliteit zorgen voor meer **groeikracht, productie** en een **betere kwaliteit**.

Toepassing:

Maïs:	4 ltr./ha. kort voor aanleg kolf (4-6 ^e blad)
Suikerbieten:	3x 3 ltr./ha. vanaf sluiten gewas, maandelijks.
Koolzaad:	2 ltr./ha voor de winter, 3 ltr./ha, na de winter

SAMENSTELLING

Stikstof (N) totaal	81 g/kg
Nitraatstikstof (N)	79 g/kg
Calcium (CaO)*	144 g/kg
Mangaan (Mn)*	14,7 g/kg
Magnesium (MgO)*	10,0 g/kg
IJzer (Fe)*	3,29 g/kg
Borium (B)*	0,33 g/kg
Zink (Zn)*	0,27 g/kg
Koper (Cu)*	0,14 g/kg
Molybdeen (Mo)*	80 mg/kg
Dichtheid	1,56 kg/l
pH	2,0 – 3,5





Samenstelling Optima Sugar+:



Element	Gehaltes
Stikstof (N)	8,1%
<i>Nitraatstikstof (N-NO3)</i>	8,0%
<i>Ammoniumstikstof (N-NH4)</i>	0,1%
Calcium (CaO)	14,4%
Magnesium (MgO)	1,0%
Mangaan (Mn)	1,5%
IJzer (Fe)	0,3%
Borium (B)	313 mg/kg
Zink (Zn)	260 mg/kg
Koper (Cu)	135 mg/kg
Molybdeen (Mo)	63 mg/kg
Soortelijk gewicht	1,6 kg/L
pH	2 - 3
Geleidbaarheid	15-25 mS/cm
Uiterlijk	Bruine vloeistof





Efficacy of Optima Sugar+ in tulip



Trial design:

- Aim:** Demonstrate the efficacy of Optima Sugar+ in tulip
- Trial Station:** Expertise centrum bloembollen teelt
- Location:** Slootdorp, The Netherlands
- Crop:** Tulip, cv Banja Luka – plant size 6-8
- Growth season:** October 2021 – July 2022



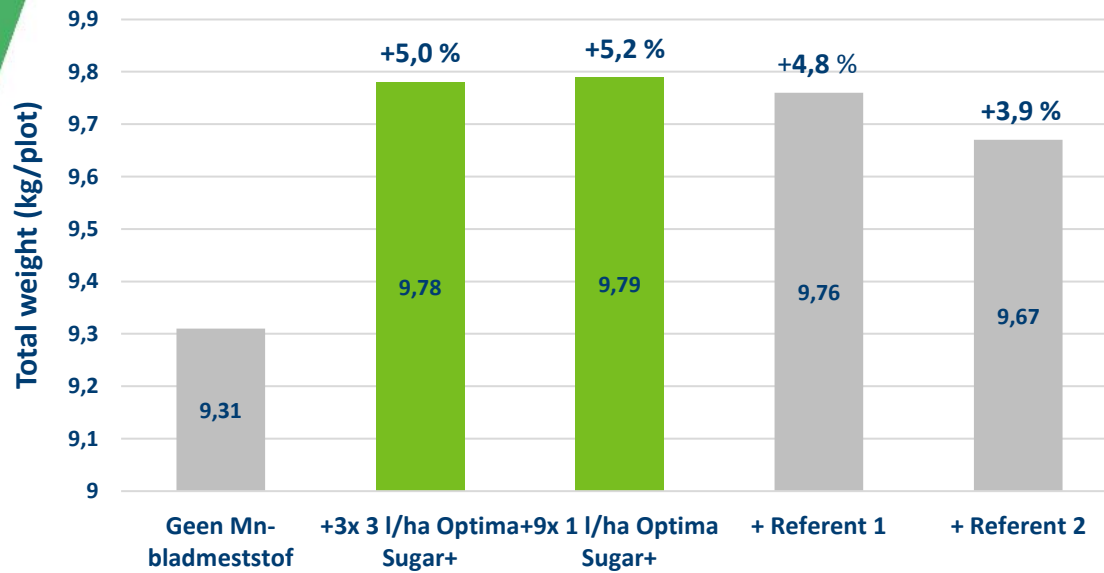
Product	Dosage	Remarks
1) Standard	-	Standard fertilization, no foliar fertilizers
2) + Optima Sugar+	3x 3,0 l/ha	Applied with 1 st , 3 rd and 5 th fungicide spray
3) + Optima Sugar+	9x 1,0 l/ha	Applied with 1 st to 9 th fungicide spray



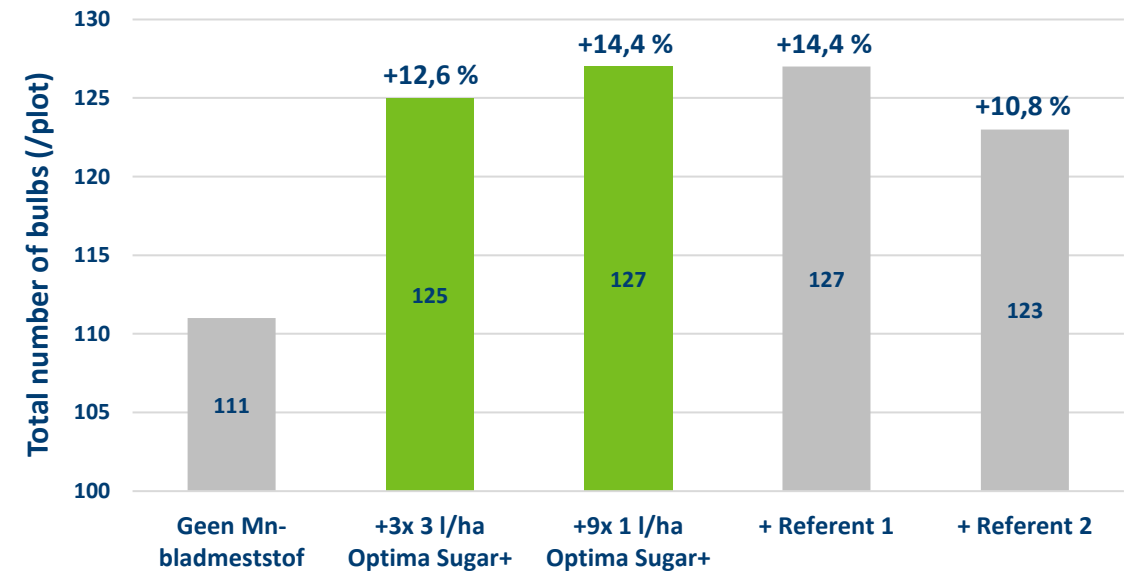
Efficacy of Optima Sugar+ in tulip

Results:

Yield - weight



Yield - count





Efficacy of Optima Leaf-MnZn+ and Optima Sugar+ in tulip



SOILTECH
KNOWS WHY

VERIFY
EXPLORE & EXPLAIN

Trial design:

Aim: Demonstrate the efficacy of Optima Sugar+ and Optima Leaf-MnZn+ in tulip

Trial Station: Vertify

Location: Zwaagdijk, The Netherlands

Crop: Tulip, cv Dow Jones – plant size 5-7

Growth season: October 2021 – July 2022



Product	Dosage	Remarks
1) Standard	-	Standard fertilization, no foliar fertilizers
2) + Optima Leaf-MnZn+	9x 1,0 l/ha	
3) + Optima Sugar+ and Optima Leaf-MnZn+	3x 3,0l/ha + 6x 1,0 l/ha	Optima Sugar+ as early application follow up by Optima Leaf-MnZn+ throughout season



Efficacy of Optima Leaf-MnZn+ and Optima Sugar+ in tulip



SOILTECH
KNOWS WHY

VERTIFY
EXPLORE & EXPLAIN

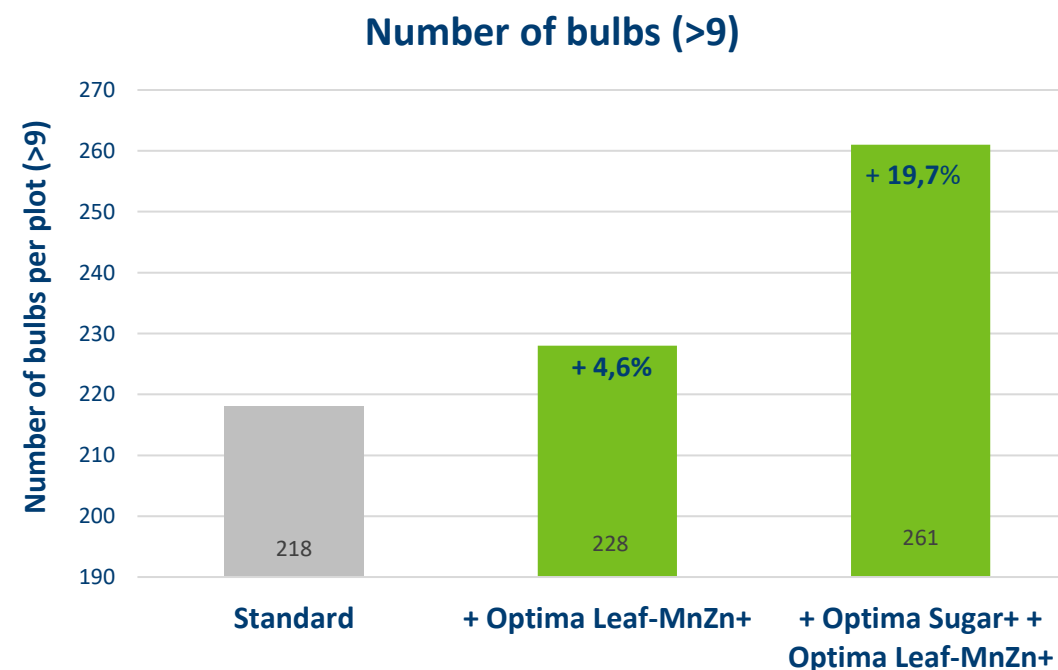
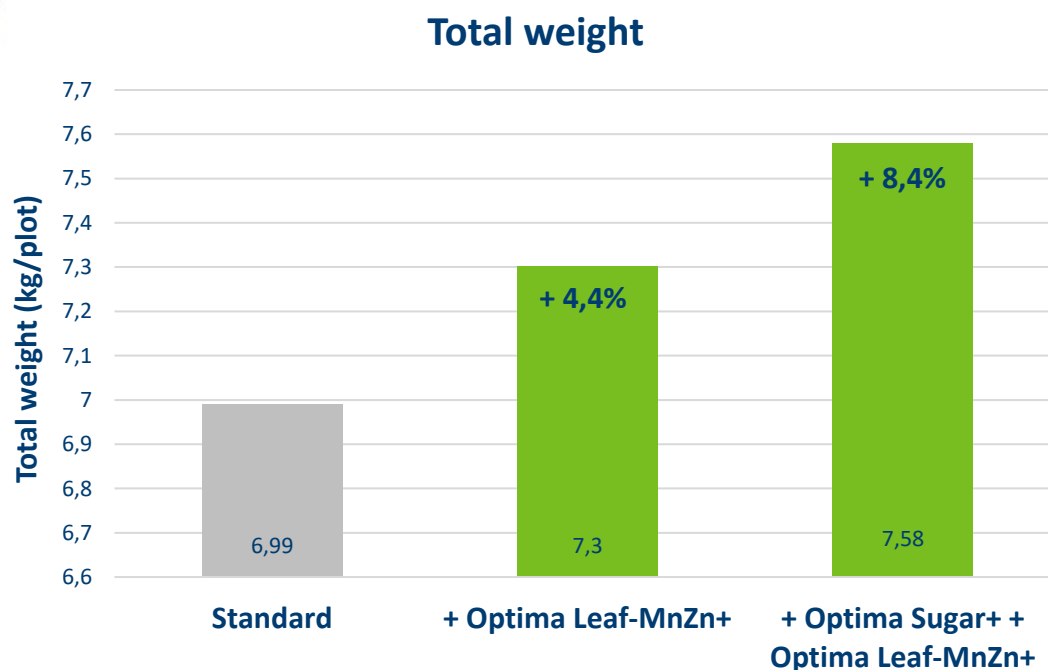
Results:

Crop vigor at 1-6-2022:

Standard: 8,0

+ Optima Leaf-MnZn+: 8,0

+ Optima Sugar+ and Optima Leaf-MnZn+: 8,4*



The use of **Optima Leaf-MnZn+** resulted in an increased yield of + 4,4%. The combination of **Optima Sugar+** and **Optima Leaf-MnZn+** resulted in an increased yield of + 8,4% and a significantly increased crop vigor. The increased yield can be explained because of the increased number of bulbs.