



FITOVÁLOR<sup>®</sup>

Z MIŁOŚCI DO NATURY

# GR PIOTR SZMULEWICZ

## REPORT FROM THE IMPLEMENTATION

30th of August 2023



# Customer details

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- Farm Name: GR Piotr Szmulewicz
- Farm address:
- Total area of the farm: 120ha
- Cultivation: Sweetcorn, previously winter wheat
- Type name: Tyson
- Planting date: 25.05.2023
- Plot location GPS:
- Implementation area: 30ha



# Treatment dates

Treatment date	Treatment control	Product	The dose of our fertilizer in w L/ha	Doses of other fertilizers in kg/L/ha
29.05.2023	No			Weed spraying
15-20.06. 2023	No	O80, in the phase 5-6 leaf	1L/ha	[to be completed]



# Growth stage results 1

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- The field is dominated by short corn (1.4-1.55 m). Only in a small fragment (approx. 25x10 m) there is tall corn (2-2.2 m) and it is comparable to the corn in the control field. The control corn is 2.2-2.6 m tall over the entire area. Perhaps **more O80 was given at start-up in this field ...?**
- Tall corn has 12-13 leaves, small corn has 11-12. The control plant has 12-13 leaves.
- Stalk thickness: our large one – 2.6 cm in the lower part and 2.2 cm in the upper part; our small one – 2.2 cm in the lower part and 1.6 cm in the upper part.
- The stalk of the larger corn is bright green, just like the control corn. Small corn has a much weaker color.



# Comparison photos

Szmulewicz large



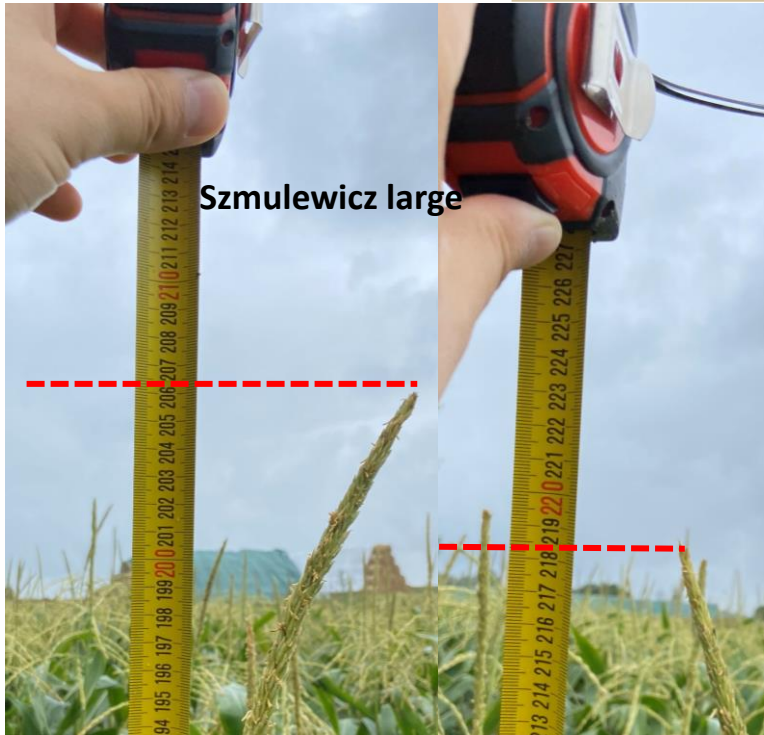
Small



Control



# Plant height



# Leaves and stalk



Szmulewicz large



Small



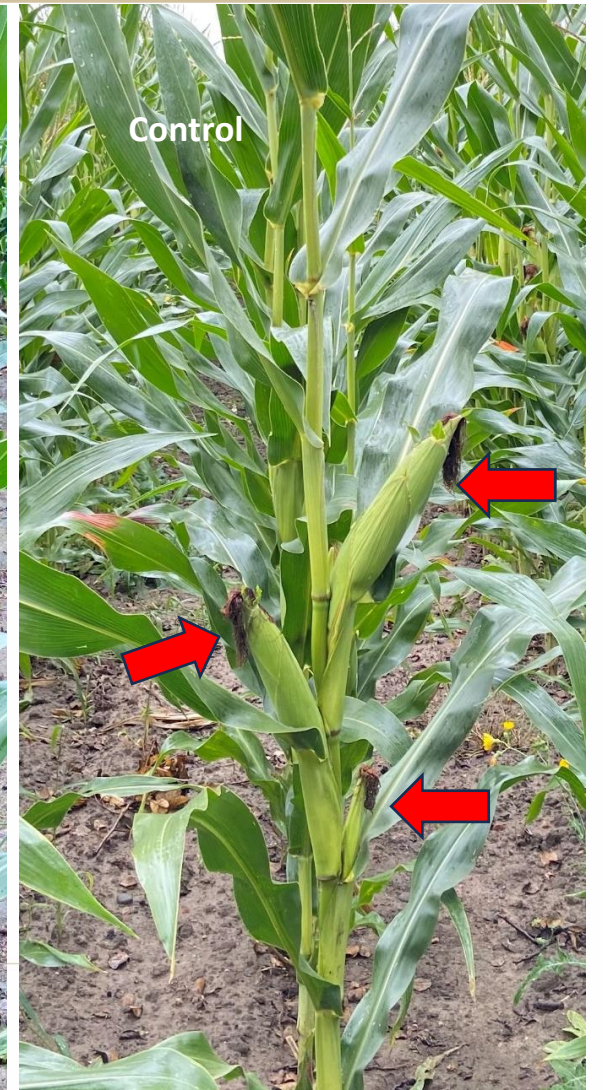
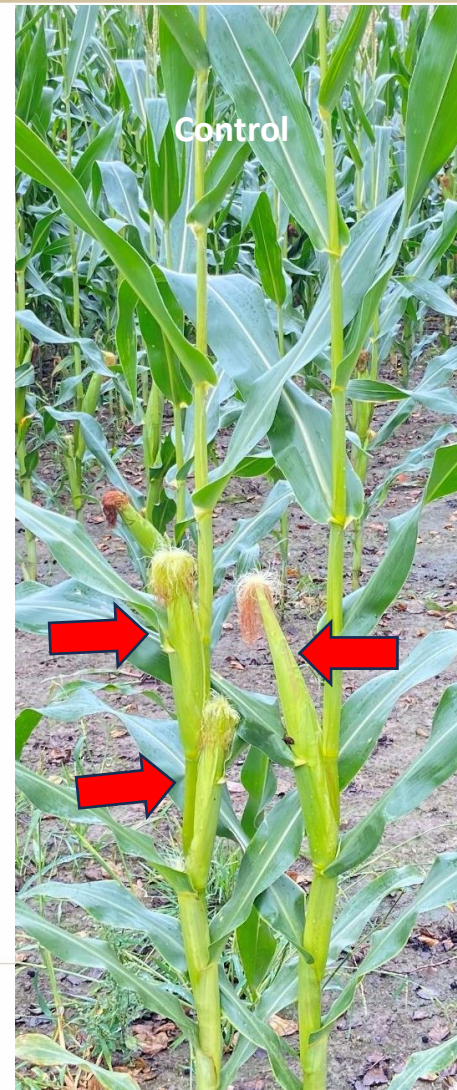
## Growth stage results 2

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- Our corn has 1-2 cobs per stalk. The control plant has 1-2 cobs, and some plants have 3.
- The length of the cob of large corn with leaves is approx. 30 cm, of smaller corn approx. 23 cm. The smaller cob on the smaller corn is approx. 16 cm.
- The width of the cob of large corn with leaves is 6 cm, of smaller corn - 5 cm. The control corn is 5 cm wide.
- The width of a peeled large corn cob is 4.8-5 cm. The control corn has a slightly smaller width: 4.5-4.7 cm.
- The length of a peeled large corn cob is 19-20 cm. The control corn is also 19-20 cm long.



# Number of cobs



# Cobs Length



# Cobs width



# Cobs Length



# Conclusions

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- The customer applied only 1 fertilizer spray and administered only 1L/ha. Additionally, he did not use warm water when preparing the working fluid. This procedure **significantly reduced the result and led to poor use of the crop's potential.**
- The client does not indicate any reason why he has such a disproportionately greater result on a small area at the beginning of the field. This allows us to assume that the start of spraying resulted in much more fertilizer being applied to this area, which contributed to greater plant development.
- Despite the fact that most of the crop is about 1.5 m high and seems "miserable", the customer estimates that he will mow it in 2-3 weeks from August 30, 2023, because he estimates that the cobs have developed well enough... That's good 😊
- If we applied as much fertilizer as expected in the instructions for use, we could expect a greater result in the size of cobs and the number of cobs on one stalk compared to the control corn.



# Additional information

- The client has a sprayer with a 3,600L tank, which means he can spray 12-14ha at one time.



# Results after harvest

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- Harvest date:
- Performance in the control field: ... t/ha
- Efficiency in a fertilized field: ... t/ha
- Difference: ...t / ...q/ha
- Financial benefit: ... PLN/ha
- Total benefit from growing in a fertilized field:  
...ha x ... PLN = ... **PLN**





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