



FITOVÁLOR<sup>®</sup>

Z MIŁOŚCI DO NATURY

# CORN PLANTATION

# IMPLEMENTATION REPORT

14th of September 2023



# **The implementation main result**

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Corn growth  
in a field fertilised with FITOVALOR  
**was spectacularly higher**  
than the check after a 2-fold application



# Customer details

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- Farm Name: CORN PLANTATION
- Total farm area: 800ha
- Crop: fodder corn
- Crop name type: no data
- Planting date: 4.05.2023
- Implementation area: 8ha



# Treatment dates

Treatment date	Treatment control	Product	The dose of our fertilizer in w L/ha	Doses of other fertilizers in kg/L/ha
18.05.2023	No	O-80	3L/ha	15 kg of magnesium sulfate and other fertilizers indicated below

Client emphasizes, that before sowing corn, he fertilized the field very carefully to prepare it as best as he could:

- 350t manure,
- 300L urea + 200 kg of phosphorus fertilizer,
- 240kg Polifoska along with grain.



# Growth stage results 1

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- The visit took place on the September the 8th, 2023. In the case of this Client we have an ideal comparison situation because next to the FITOVALOR field we have a control field belonging to another person. So, our farmer compares himself with his neighbor and our field looks much better than our neighbor's :)
- The height of corn after FITOVALOR fertilizer is 2,20m-2,40m. The check has approx. 1,8-2 m.
- Corn after FITOVALOR fertilizer is ripe - yellow-brown stalks predominate and leaves are beginning to fall off the cobs. In the control field, green stems with closed, undeveloped cobs predominate. The ripeness of the corn compared to the check is striking, which indicates very good preparation of the crop and its fertilization. The ripeness of our corn is highly satisfactory - the customer claims that he has the best corn in the region :)
- We did not have permission from our neighbor to take detailed photos of the corn from the check field.



# Growth stage results

27.07.2023

FITOVALOR

Check



# Growth stage results

08.09.2023

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Check



# The corn height

**FITOVALOR**

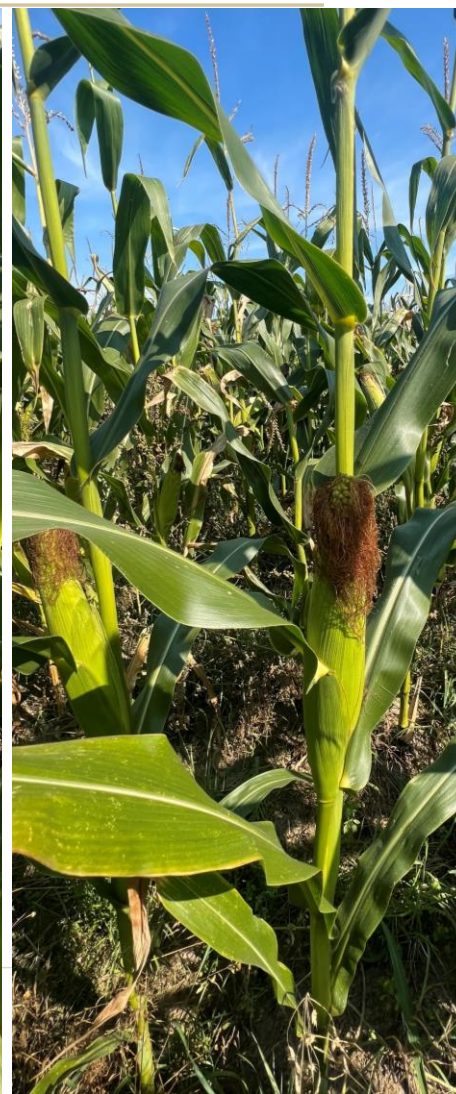
**Check**



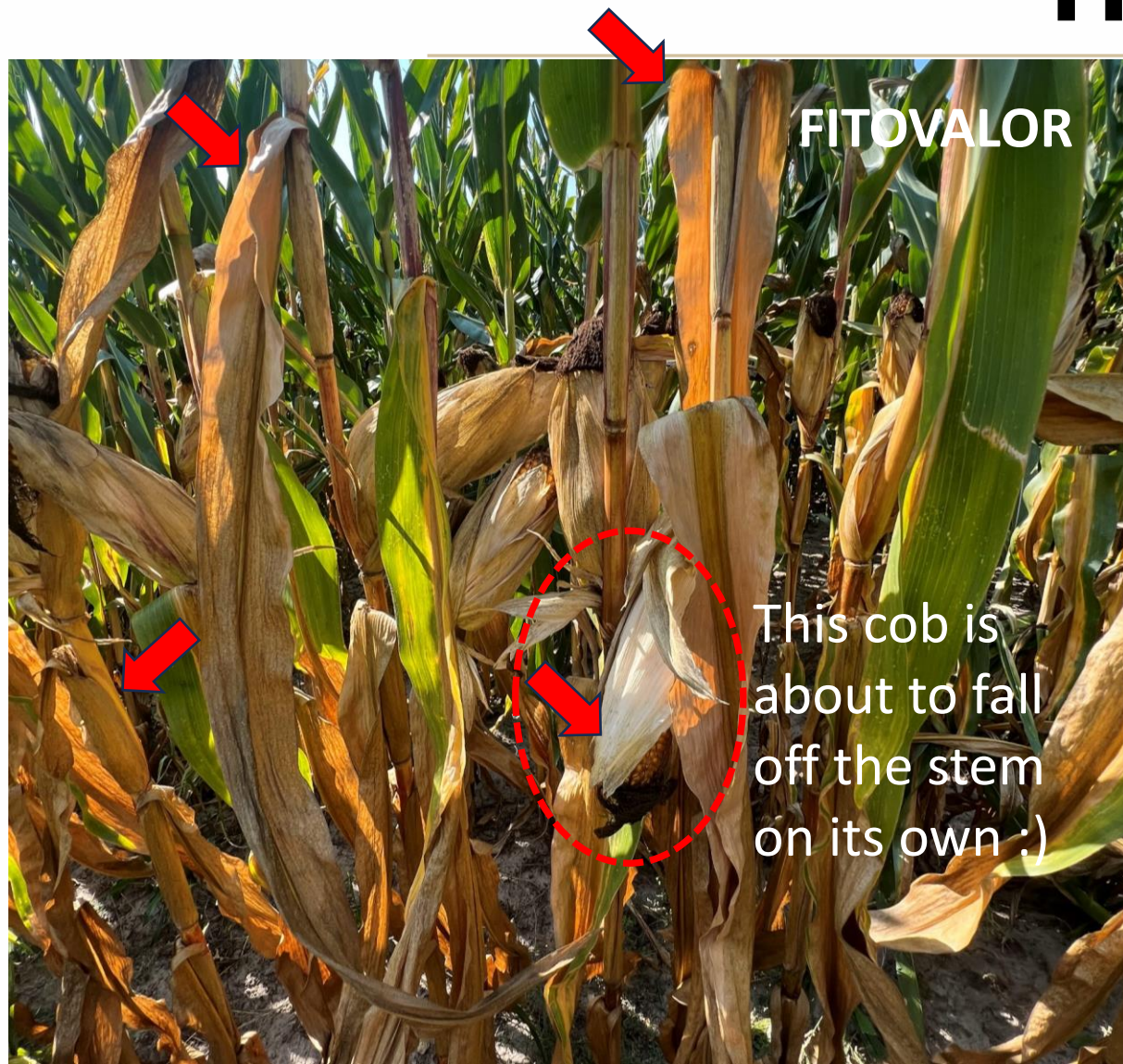
220 cm

180-200 cm

# The crop maturity 1



# The crop maturity 2



## Growth stage results 2

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- There are about 12 very yellow leaves left on the corn, and the check has 9-10 leaves.
- The stem after FITOVALOR fertilizer is 3 cm thick, the check one is 2-2.5 cm thick.
- Our cob is 19-21cm long and 5-5.5cm wide, the check is 13-15cm long and 3-4cm wide. The cob has from 14-16 rows of 34-36 grains per row, and the check has 10-13 rows of 34-38 grains.
- After FITOVALOR fertilizer, each stem usually has 1 cob, sometimes 2. It is similar in the case of the check.
- In some cases Customers' corn has missing grains in the upper part of the cob (2-4 "rims"). It is difficult for us to assess the reason for this state - whether it was the lack of maturity of the cob, diseases or losses caused by the birds.



# The cob dimensions



# The cobs number on the stem



# The grain losses



# Conclusions

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- The client used very intensive fertilization apart from our fertilizer and achieved his effect, which is the best in the area. It is difficult to take all the credit for it, at the same time, based on the harvest, we know that the addition of our fertilizer in just one spraying resulted in a 10% higher result.
- Based on this client, we know that a 3-liter dose of our fertilizer per ha does not have a destructive effect on the crop, on the contrary - we observe faster plant growth, which is also natural.
- After conversations, we know that the lack of grains in the top of corn cobs is the result of lack of nutrition or lack of water. We therefore conclude that 1 treatment is definitely not enough. In our fertilization instructions we recommend at least 2 and preferably 3 spraying.



# Results after harvest

- Harvest date: 7-13 October 2023
- Performance in the check field: 9,5 t/ha
- Efficiency on fertilized field: 10,5 t/ha
- Difference: 1t / 10q/ha
- Extra income by 500 PLN/t fresh corn directly after harvest:  
*(price 500 PLN is the clients' sales condition)*  
8t more from 8ha x 500 PLN/t = 4.000 PLN
- Potential extra income in total if the Client would use our fertilizer for whole corn area:  
40ha x 500 PLN = **20.000 PLN**





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