



FITOVÁLOR[®]

Z MIŁOŚCI DO NATURY

CORN PLANTATION weak soil

IMPLEMENTATION REPORT

30th of October 2023



The implementation main result

Difficult field, sloping ground,
1/3 of the field is composed of clay.

The highest results reached
12t of corn per hectare.

Average yields 6.2-6.3t/ha



Customer details

- Farm name: CORN PLANTATION
- Total farm area: 100ha
- Crop: fodder corn
- Crop name type: n/a
- Planting date: 6.05.2023
- Implementation area: 8-9ha



Treatment dates

| Treatment date | Treatment Check | Product | The dose of our fertilizer in L/ha | Doses of other fertilizers in kg/L/ha |
|----------------|-----------------|---------|------------------------------------|---------------------------------------|
| 20.05.2023 | No | O-80 | 1,5l/ha | 15kg urea + 6kg magnesium sulphate |
| 2.06.2023 | No | O-80 | 1,5l/ha | 8kg urea + 4kg magnesium sulphateu |
| 15.06.2023 | No | O-80 | 2l/ha | 10kg urea + 6kg magnesium sulphate |
| | | | | |



Implementation area



Implementation area

- The implementation area is a difficult field - the client points out. The land is sloping, class 5, sandy soil, alternating with clay. As the Client states: "2.5ha of clay" - that's 1/3 of the total implementation area.
- "The field has its advantages when the year records standard rainfall, nevertheless 2023 was an exceptionally dry year, hence the clay soil stifled plant development," - stated the client.
- Spots can be seen on the satellite image, probably indicating the type of soil. The overview photos of the crop show a similar effect.



Growth stage results 1

- The following analysis is based on a visit on the 26.07.2023.
- Visually, the field looks standard. The corn is already of considerable height. Number of leaves: approximately 13.
- Number of maize cobs per stalk: 2-3 cobs.
- Colour: both stalk and leaves are predominantly light green colour.



Growth stage results 1 (26.07.2023)



Growth stage results 2

- The following analysis is based on a visit on 30.08.2023.
- We can see patches / shading in the field. These are likely to correspond to areas of clay and class 5 soil. The overall crop is rather light green colour.
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- However, analysing the plant up close we see a higher level of development than the check on the same day. The maturity of the photographed stems is much higher.
- Stem height is 2.60-2.70 m, stem width is 3 cm. Similar dimensions were recorded by the check crop. The stems mostly contain 2 cobs.
- The dimensions of the cobs are standard: about 20 cm long and 4-5 cm wide. This result is definitely satisfactory. The cobs are more mature than the control.



Growth stage results 2 (30.08.2023)



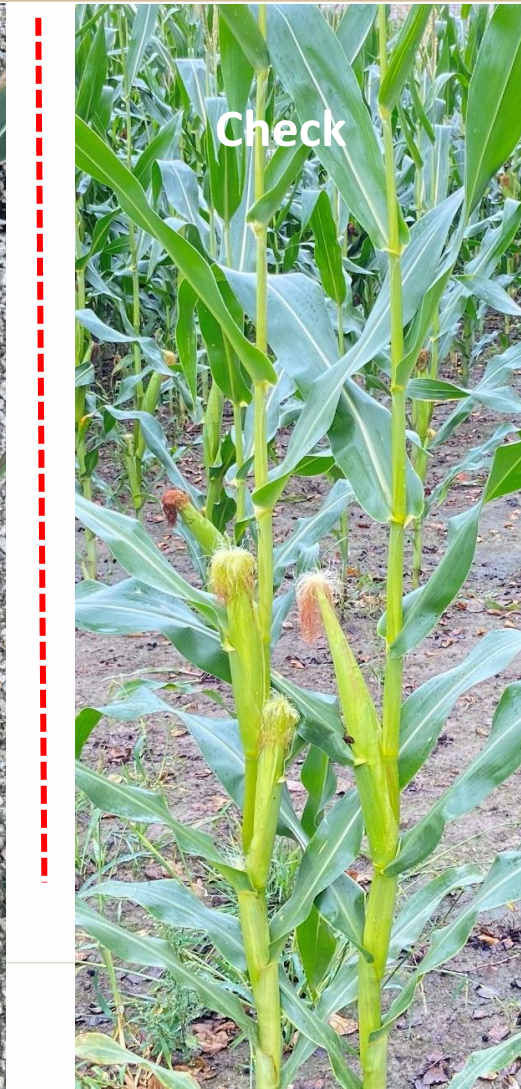
Growth stage results 3



Growth stage results 4



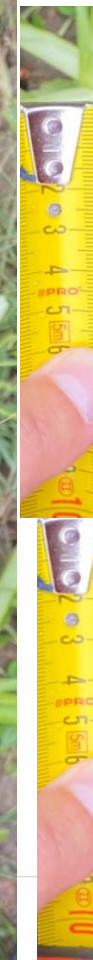
Maturity of corn



Stem dimensions



The corn cob dimensions



Conclusions and post-harvest results

- During this version of test, we had the opportunity to see the performance of FITOVALOR fertiliser under difficult slope conditions and poor soil quality.
- The customer expected poor results, but after the harvest he stated: "I thought it would be worse" and he is satisfied with the results.
- The client says that while he was getting 2-3t/ha from clay areas, he recorded results of up to 12t/ha from sandy soil. The final result of the corn harvest from the implementation area was an average of 6.2-6.3t/ha.
- The condition and degree of development of corn in August / September was in line with our other corn crops, so the crop on non-clay soil developed very well - hence the result of 12t/ha.





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