



FITOVALOR[®]

Z MIŁOŚCI DO NATURY

MICENO TOMATO PLANTATION

IMPLEMENTATION REPORT

25th of September 2023



The implementation main result

The tomato plantation was struggling to grow.

Thanks to full fertilization with FITOVALOR, the harvest result met expectations and the fruit was 1.5-2x larger than other



Customer details

- Farm name: MICENO TOMATO PLANTATION
- Total farm area: 20ha
- Crop: ground tomatoes
- Crop name type: Miceno and Plantico L374
- Planting date: 24.05.2023
- Implementation area: 1,1ha



Treatment dates – field1

Treatment date	Treatment Check	Product	The dose of our fertilizer in L/ha	Doses of other fertilizers in kg/L/ha
28.06.2023	No	O-55	1-1,5L O-55/250 L water	Antifungals
17.07.2023	No	O-55	1-1,5L O-55/250 L water	n/a
brak danych	No	O-55	1-1,5L O-55/250 L water	n/a
brak danych	No	O-55	1-1,5L O-55/250 L water	n/a
brak danych	No	O-80	1-1,5L O-80/250 L water	n/a
brak danych	No	O-80	1-1,5L O-80/250 L water	n/a
brak danych	No	O-80	1-1,5L O-80/250 L water	n/a

Client does not remember which product he dosed in which order, so the above data are examples. He informed that to save his plantation he sprayed 7 times, using 1.5-2L of fertilizer per ha for each spraying.



Tomato fields description

Client fertilized 2 fields:

- 1) We define field 1 as the field **with a spectacular result**. A total of 7 sprayings were used, using 1.5-2L of O55 and O80 fertilizer per ha in each spraying. The result of this fertilization is definitely our contribution. **We don't have any photos from this field.**
- 2) Field 2 is a field fertilized with O55 and O80 (~0.1 ha - 3 rows). Plantico variety L374. Two sprays were applied, but other fertilizers were also used, so the result is not clearly 'ours'.



Treatment dates – field 2

Treatment date	Treatment Check	Type	The dose of our fertilizer in L/ha	Doses of other fertilizers in kg/L/ha
28.06.2023	No	O-55	1L O-55/250 L water	Antifungal and other fertilizers
17.07.2023	No	O-80	1L O-80/250 L water	Other fertilizers



Post-harvest results – field 1

After harvesting, Client describes the results from field 1 as follows:

“In mid-June, one of our plantations (1 ha) recorded very poor growth. The soil pH was 7.9 - tomatoes do not like this kind of pH. Following the suggestion of Mr. Konrad from Maspex, we decided to apply the obtained FITOVALOR fertilizer to this plantation.

We performed a total of 7 sprayings, using 1.5-2L of fertilizer per ha. The results were surprisingly positive: the bushes did not grow, but the fruits were 1.5-2x larger than on the plantation next door. We assumed that the yield would be much smaller, but it turned out that the yield maintained the harvest standard.”



Results – client report from the 26.07.2023

In the farmer's opinion, the plant's vigor improved and its resistance to abiotic stress improved - the leaves curled less during drought. The farmer reported problems with the use of fertilizer - clogged filters in the sprayer.

Measurement date	Hour	Product	Temperature °C	Chlorophyll	Flavonoids	Anthocyanins	NBI - Nitrogen Balance Index
28.06.2023	13:23:59	M	23,76	35,45	0,71	0,04	50,31
17.07.2023	10:02:51	M	30,70	43,72	1,35	0,06	32,51

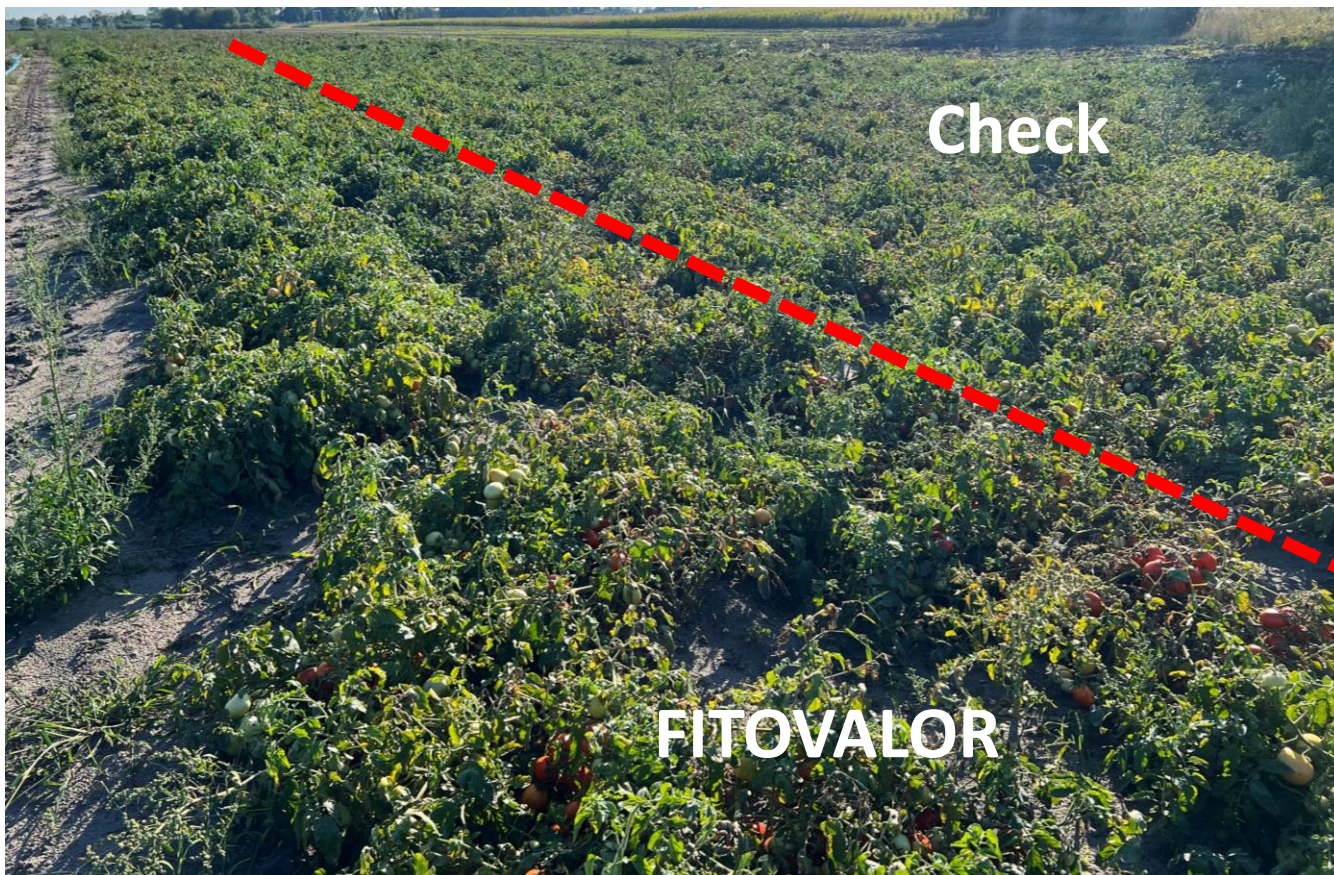


Growth stage results – field 2

- Plantation rows after FITOVALOR fertilizer seem to be more luscious and abundant, rising higher above the ground. The color of the leaves does not differ from the Check.
- The FITOVALOR bush in the sample taken is large, the diameter of the bushes is approximately 75-85 cm, which is larger than the second MICENO plantation.
- The tomatoes themselves treated with FITOVALOR fertilizer seem to be identical to the Check. The largest ripe tomatoes have a diameter (side) of 4-4.5 cm.
- Harvest from the FITOVALOR bush averaged 83 pieces. The second MICENO plantation recorded 71 pieces at the same time.
- Number of tomatoes on a branch: 4-6-8 pieces on both bushes.



Comparison photos



The bush volume



FITOVALOR



Another plantation



The tomato diameter





 FITOVALOR®

Fruit number on a branch



FITOVALOR



Another plantation

Post-harvest results – field 2

- The harvest from field 1 definitely eclipsed the results from field 2, therefore the owner did not pay attention to the harvest from field 2.
- Harvests from 3 rows fertilized with FITOVALOR were not recorded separately in the harvests. The harvest from the entire field were of standard size and met the owner's expectations.



Conclusions

- The client is already familiar with organic fertilizers and humates. He knew how to use our fertilizer and approached it positively and reliably. Therefore, we can be sure that the crop was fertilized with our fertilizer correctly and carefully.
- **The customer's trust in this type of fertilizers and the decision to save one of the plantations resulted in a spectacular result. The customer did not notice any negative effects of applying approximately 10 L of FITOVALOR fertilizer per 1 ha, even though the instructions use a lower dose per 1 ha.**
- The client pointed out that even if, in his opinion, cultivation would give the same effect as usual, the analysis of fertilization costs is important to him and he is open to this analysis because he already sees that using our fertilizer may be more profitable for him.





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