

SOME CONSIDERATIONS ON THE PRODUCTION OF TOMATOES IN THE COUNTY OF TELEORMAN (2014-2016)

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ABSTRACT

For Teleorman County, the primary tomato offer is based on data on cultivated area, total production and average production.

The area evolved downward, decreasing by 1.41% in 2015 (from 1,627 ha in 2014 to 1,604 ha), then decreasing by 8.18%, 1,494 ha in 2016.

Tomato production experienced a non-uniform evolution, which is

characterized by an increase of 2.27% in 2015 (from 20,462 tons to 20,927 tons) in order to decrease by 14.48% in 2016, 17,500 tons.

Average yield per hectare had an uneven evolution, rising by 3.74% in 2015 compared to 2014 (from 12.577 kg / ha to 13.047 kg / ha), with a difference of 6.86% (11.714 kg / ha in 2016).

INTRODUCTION

Vegetables grown in the field, industrial greenhouses, greenhouses and other shelters have food, industrial importance, intensification factor, land use and labor, fodder, export and profit sources.

From tomatoes, fruits are consumed at physiological maturity, as well as before full ripening, the so-called gogoons, but to a very small extent and only in certain countries, especially in the Balkan ones.

The nutritional value of tomatoes is not so much in their content in plastic and

energetic substances (protides, carbohydrates, lipids), but also in substances with a biocatalytic role, of which the most important are vitamins and mineral salts, processing is diminishing.

On profitable activity in tomato field cultivation, it influences the yield per hectare, the adequate cost management and the optimization of the marketing of production.

METHOD AND MATERIAL

In order to accomplish the work, specific indicators were used to establish the total supply of cereals (cultivated areas, average yields and total yields) based on the data extracted and reported at the level of the National Institute of Statistics in the period 2014 - 2016.

They present the situation of cultivated areas, total production and average production expressed in

hectares, tons and kg / ha respectively in the case of Teleorman County.

The elaboration of the paper presupposed the use of the comparison method in time and space. For this purpose, the annual, but also the multiannual, media of the observed phenomena were analyzed. As a result, dynamic series were built, during which the first component year (2014) became a reporting term.

RESULTS AND DISCUSSIONS

Teleorman County cultivated a maximum area of 1,627 hectares with tomatoes in 2014 and a minimum in 2016, 1,494 ha, to which if we add the production recorded in 2015 (1,604 ha), we reach an average of 1,575 ha – table 1.

It can be seen that the dynamics of the indicator evolving uniformly, decreasing compared to the reporting bases by

1.41% for both indices in 2015 (98.59%), by 8.18% for the fixed base and 6.86% for the mobile one in 2016 (91.82 and respectively 93.14%), while for the average of the analyzed time interval, the fixed base indices were sub-unitary, - 3.20% (96.80%), and those with mobile base were higher than the unit +5.42 (105.42%), – fig. 1.

Table 1.

The cultivated area (ha) *

No.	Year	Effective	Dynamic		% Comp. to the regional level
			lbf	lbn	
1	2014	1,627	100	100	17.23
2	2015	1,604	98.59	98.59	16.94
3	2016	1,494	91.82	93.14	18.08
4	Average	1,575	96.80	105.42	17.39

* <https://statistici.insse.ro/shop/>

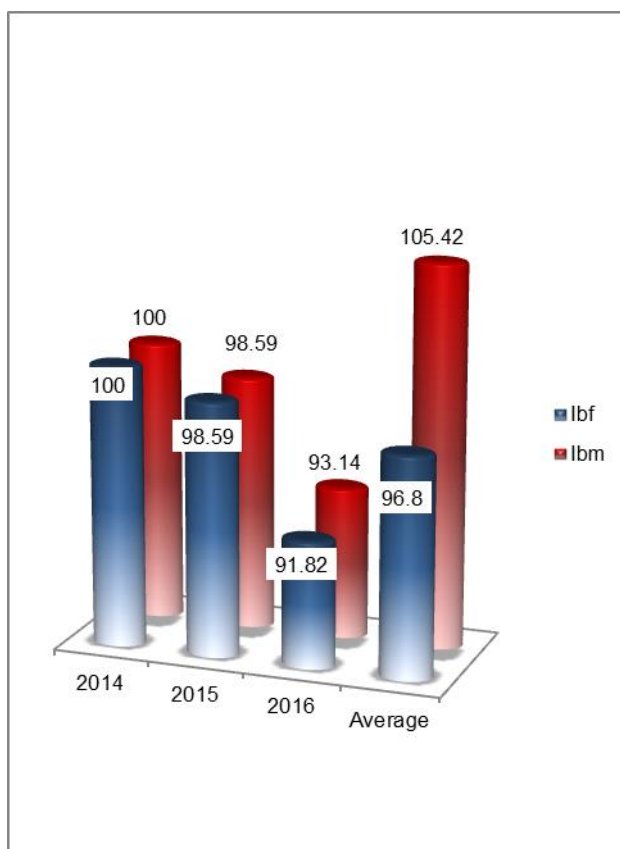


Fig. 1. Dynamics of the cultivated surface (%)

Reporting the county situation to the regional context, it can be noticed that Teleorman County has significant shares for tomatoes, so the average is 17.39% of the regional area (fig.2) and the annual

ones of 16.94% in 2015, 17.23% 2014 and 18.08% for 2016.

The total yield of tomatoes obtained in Teleorman County and its dynamics are presented in Table 2.

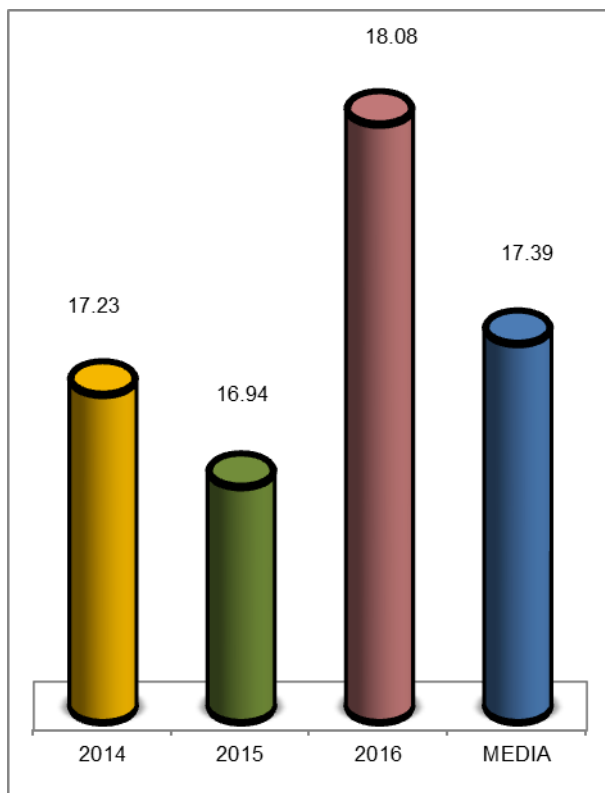


Fig. 2. Teleorman County - share in the regional area (%)

Table 2.

Total production (t) *

No.	Year	Effective	Dynamic		% Comp. to the regional level
			lbf	lbn	
1	2014	20,462	100	100	14.76
2	2015	20,927	102.27	102.27	14.80
3	2016	17,500	85.52	83.62	14.91
4	Media	19,629.67	95.93	112.17	14.82

* <https://statistici.insse.ro/shop/>

Teleorman County is characterized by a total production of tomatoes ranging from 17,500 tons to 20,462 tons in 2016 and 2015 respectively, the average of the period being 19,629.67 tons. On the basis of the annual quantities obtained, the indicator dynamics was made (Figure 3), which shows a non-uniform evolution,

with levels above the baseline of 2.27% in 2015 (102.27% for both indices), -14.48% 16.38% for the fixed and mobile base in 2016 (85.52 and 83.62% respectively), while for the average of the interval, the first term was subunit (95.93%) and the second exceeded the reporting base (112.17%).

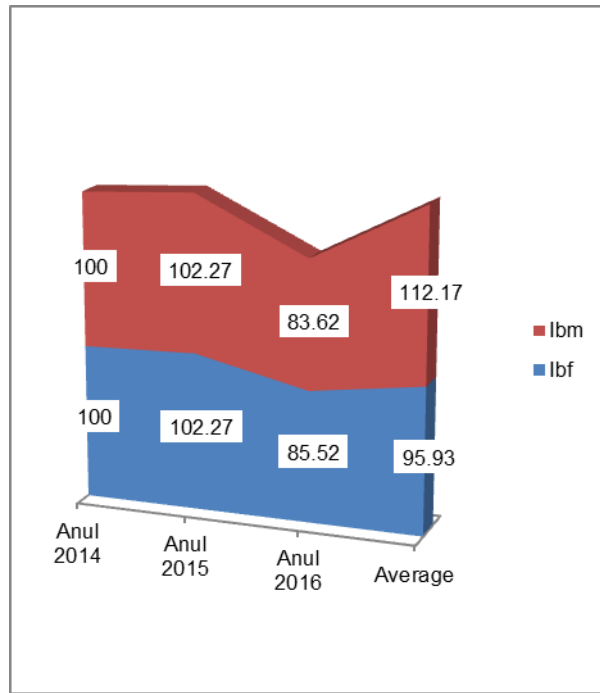


Fig. 3. Dynamics of total production (%)

If we report the county situation to the regional one (fig. 4), it can be seen that Teleorman County held variable weights: 14.76% in 2014, 14.80% for

2015, 14.91% for the year 2016 and 14.82% at the average of the analyzed period.

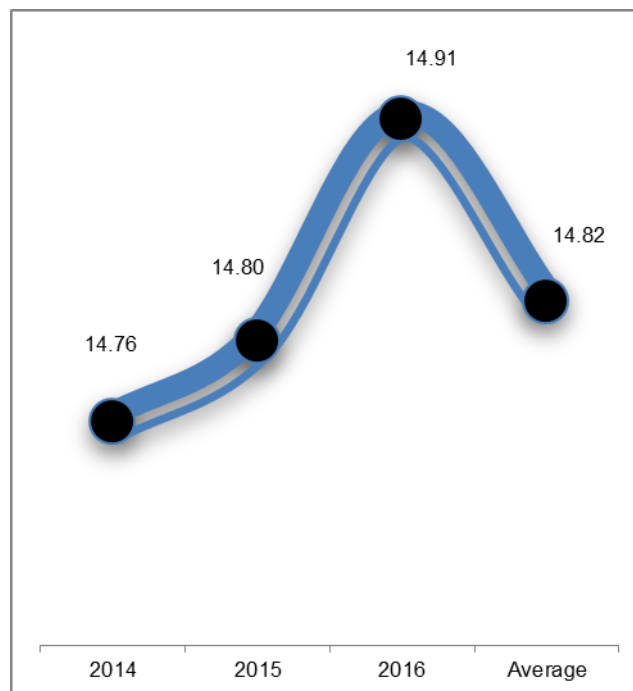


Fig. 4. Teleorman County - share in total regional production (%)

The third component of the primary tomato supply - the average production in

Teleorman County is presented in Table 3.

Table 3.

Average production (kg/ha)

No.	Year	Effective	Dynamic		% Comp. to the regional level
			lbf	lbm	
1	2014	12,577	100	100	85.68
2	2015	13,047	103.74	103.74	87.40
3	2016	11,714	93.14	89.78	82.49
4	Media	12,446	98.96	106.25	85.23

* <https://statistici.insse.ro/shop/>

The average of the indicator was 12,446 kg / ha, with extreme levels of 11,714 kg / ha in 2016 and 13,047 kg / ha in 2015 (2014, 12,577 kg / ha).

It is noteworthy, in dynamics (fig. 5), a non-uniform trend for both categories of indices, with values above

the bases of 103.74% for the year 2015 (both indices), 93.14% - fixed base and 89.78% in 2016 and 98.96% for the average of the interval, at the fixed base level. The only advance is recorded for the average of the range, 106.25%, for the index with the mobile base.

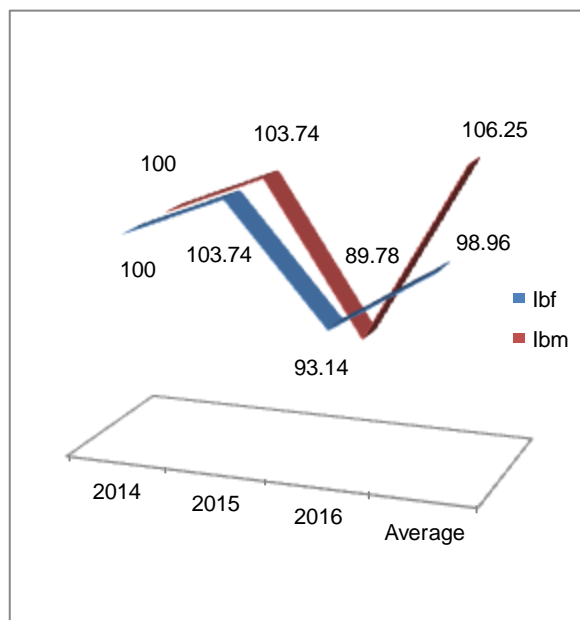


Fig. 5. Dynamics of the average production (%)

Compared to the regional situation, Teleorman County recorded lower average production levels as follows (Figure 6): -17.51% in 2016 (82.49%); -

14.32% for 2014 (85.68%); -12.60% in 2015 (87.40%); -14.77% for the average of the period (85.23%).

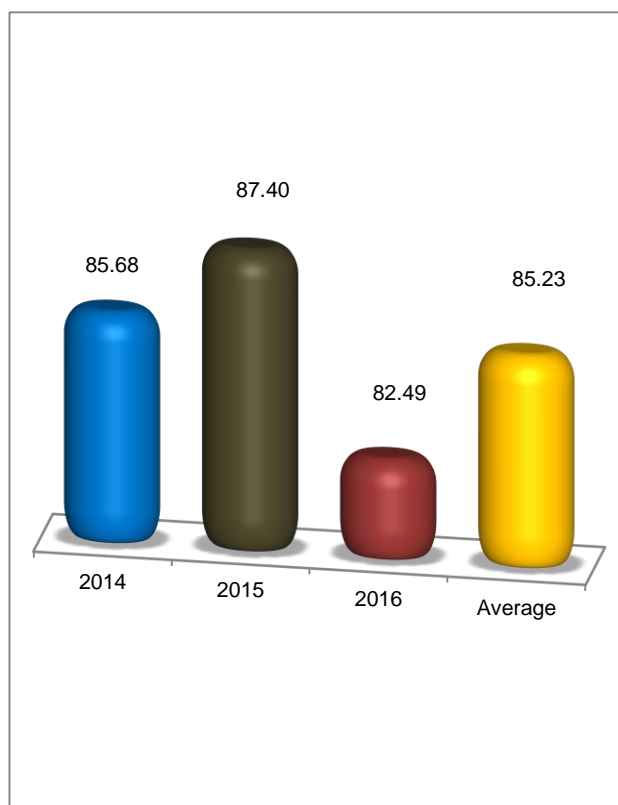


Fig. 6. Teleorman County - share in regional production (%)

CONCLUSIONS

- compared to regional values, levels were recorded of 16.94% in 2015, 17.23% in 2014 and 18.08% in 2016;
- compared to the regional level, the county held on average 14.82% of the total production of tomatoes;
- a modest position of the county is observed, 85.23% as the average of the period (12.446 kg / ha), all the levels of production being inferior to the county situation (85.68, 87.40, 82.49% in 2014, 2015 and 2016);
- it is noticed that Teleorman County is an important one in the region, from the point of view of tomato culture, while Romania still has important technological deficiencies, the potential being much more appreciable than what is actually done.

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