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RESEARCHES REGARDING THE MINERAL CONTENT OF HONEY BRANDS RISE FROM BANAT AREA

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SUMMARY

The honey mineral content is influenced by the nectar mineral content used to produce it, the content of the minerals in the soil, climatic factors (temperature, humidity, wind) and also by the degree of pollution in areas visited by bees.

Analysis regarding the mineral content of the honey was made in 14-19 march 2008 in the molecular and atomical spectroscopy laboratoriy of the Agro-alimentary Produce Faculty from USABMV Timisoara, through spectroscopie with atomic absorbability in flame. The device used to determine minerals in honey was the Contr AA 300 spectometer with continual source. The results concerning the mineral content of honey brands rise from Banats area are presented in Table 1.

Table 1

The mineral content of honey brands rise from Banats area

No.	Mineral elements	Rape honey	Rape and acacia honey	Sunflower honey
1.	Potasium (mg/kg)	207	205	382
2.	Chlorine (mg/kg)	59	55	87
3.	Sulphur (mg/kg)	60	58	109
4.	Calcium (mg/kg)	46	48	78
5.	Natrium (mg/kg)	18	18	204
6.	Potassium (mg/kg)	34	35	41
7.	Magnesium (mg/kg)	19	20	120
8.	Silicon (mg/kg)	8.9	10.2	25.5
9.	Manganese (mg/kg)	0.3	0.44	1.5
11.	Cadmium (mg/kg)	0.003	0.001	0.002
12.	Copper (mg/kg)	0.01	0.007	0.03
13.	Zinc (mg/kg)	0.03	0.08	0.08
14.	Manganese (mg/kg)	0.02	0.002	0.002
15.	Iron (mg/kg)	0.05	0.005	0.004
16.	Lead (mg/kg)	0	0	0
17.	Cobalt (mg/kg)	0	0	0
18.	Chrome (mg/kg)	0.001	0	0.001

BIBLIOGRAPHY

1. Bura M., Silvia Pătruică, Vlad Al. Bura, 2005, Tehnologie apicolă, Editura SOLANES, Timişoara, ISBN 937-729-029-3
2. Pătruică Silvia, 2006, Tehnologia creşterii albinelor curs universitar, Editura EUROBIT, Timişoara, ISBN 973-620-207-0.