

## Scientific publications

### 1. Related to the acquiring of the Ph.D. degree

1. **Koumanov, K.** (1997). Investigations on micro-sprinkler irrigation of peach. *Ph.D. Thesis*, Higher Testimonial Committee at the Council of Ministers, Sofia, Bulgaria, 177pp. (summary in English).
2. **Koumanov, K.** (1992). Under-crown micro-sprinkling – a promising way of irrigation in fruitgrowing. *Agricultural Science*, Vol. XXX, No4-6, pp. 74-79 (summary in English).
3. **Koumanov, K.** (1994). On the structure of the wetted soil volume under micro-irrigation of peach (preliminary results). *Proceedings, Research Institute for Irrigation, Drainage and Hydraulic Engineering-Sofia*, Vol.XXIV, Agricultural Academy, pp. 122-127 (summary in English).
4. **Koumanov, K.** (1995). On the methods for evaluating the used part of the rainfall under field experiments. *Plant Science*, 32(7-8), pp.159-161 (summary in English).
5. **Koumanov, K.** (1995). Evaluating the used part of the rainfall under field experiments.I.One more reliable solution. *Plant Science*, 32(7-8), pp.162-164 (summary in English).
6. **Koumanov, K.** (1995). Evaluating the used part of the rainfall under field experiments.II.Raising the exactness of the solution. *Plant Science*, 32(7-8), pp.165-168 (summary in English).
7. **Koumanov, K., G. Stoilov, and I. Stamatov** (1994). Microirrigation of peach under sod mulch in the interrows. *Proceedings, ICID 17<sup>th</sup> European Conference on Irrigation and Drainage*, Varna, 16-22 May, Vol.3, Paper 3.36: 261-266.
8. **Koumanov, K., G. Stoilov, and I. Stamatov** (1994). Microirrigation of fruit crops and possibilities of saving the soil fertility. *Proceedings, ICID 17<sup>th</sup> European Conference on Irrigation and Drainage*, Varna, 16-22 May, Vol.3, Paper 3.37: 267-273.

## 2. Related to the acquiring of the academic position “Associate Professor”

### *a. in international journals with impact factor*

1. **Koumanov, K.**, J.W. Hopmans, L.J. Schwankl, L. Andreu, and A. Tuli (1997). Application efficiency of micro-sprinkler irrigation of almond trees. *Agricultural Water Management*, 34: 247-263.

### *b. in international journals*

2. **Koumanov, K.S.** (2000). Microsprinkling and drip irrigation effects on microclimate in peach ecosystem. *Journal of Balkan Ecology*, 3(4): 79-90.
3. Schwankl, L.J., J.P. Edstrom, J.W. Hopmans, L. Andreu, and **K.S. Koumanov** (1999). Microsprinklers wet larger soil volume; boost almond yield, tree growth. *California Agriculture* 53(2): 39-43.

### *c. in Bulgarian journals*

4. **Koumanov, K.** (1998). Correlation between the readings of two types evaporation pans used for scheduling and management of the irrigation process. *Plant Science*, 35: 142-143 (summary in English).
5. **Koumanov, K.** (1998). Evaporation of a peach plantation and amount of the additionally consumed by a sod mulch water under micro-sprinkler irrigation. *Plant Science*, 35: 225-228 (summary in English).
6. **Koumanov, K.** (2000). Temperature regime of the root zone of a peach tree under drip-irrigation. *Plant Science* 37: 39-43 (summary in English).
7. **Koumanov, K.** (2000). About the state, targets and challenges before the research on the irrigation of fruit crops. *Agricultural Science* 2/2000: 32-35 (summary in English).
8. Dimitrov, D., **K. Koumanov** (1999). Economical effectiveness of the peach production under microsprinkler irrigation and perennial grassing of the interlines. *Agricultural Economics and Management*, 7: 24-26 (summary in English).
9. **Koumanov, K.**, D. Dochev, and G. Stoilov (1998). Investigations on fertigation of peach on three soil types – patterns of soil wetting. *Bulg. J. Agric. Sci.*, 4: 745-753.
10. **Koumanov, K.**, D. Dochev, and G. Stoilov, (2000). Investigations on fertigation of peach on three soils – Influence on the distribution of *Mn*, *K*, and *pH*. *Plant Science* 37: 373-381.
11. **Koumanov, K.**, G. Stoilov, and D. Dochev (1999). Investigations on fertigation of peach on three soils.III.Zones of salt accumulation. *Bulg. J. Agric. Sci.*, 5: 725-730.
12. Stoilov, G., D. Dochev and **K. Koumanov** (1999). Investigations on fertigation of peach on three soils.II.Migration and localization of phosphorus. *Bulg. J. Agric. Sci.*, 5: 615-620.
13. Stoilov, G., **K. Koumanov**, and D. Dochev (1999). Investigations on fertigation of peach on three soils.I.Migration and localization of nitrogen. *Bulg. J. Agric. Sci.*, 5: 605-614.

### *d. reports published in proceedings of international forums*

14. **Koumanov, K.S.** (2001). Evaluation of drainage in budget method based irrigation scheduling. *ICID 19<sup>th</sup> European Regional Conference “Sustainable Use of Land and Water”*, Paper 004, 4—8 June 2001, Brno and Prague, Czech Republic, 5pp.
15. **Koumanov, K.**, G. Stoilov, and D. Dochev (2001). The "nitrate nitrogen – electrical conductivity" relationship in non-saline soils under fertigation. *ICID 19<sup>th</sup> European*

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*Regional Conference “Sustainable Use of Land and Water”*, Paper 136, 4—8 June 2001, Brno and Prague, Czech Republic, 8pp.

***e. reports published in proceedings of Bulgarian forums***

16. **Koumanov, K.** (1994). The birds – a real threat to drip-irrigation systems. *Proceedings, Research Institute for Irrigation, Drainage and Hydraulic Engineering-Sofia*, Vol.XXIV, Agricultural Academy, pp. 129-130 (summary in English).
17. **Koumanov, K.** (1998). Estimation of the drainage below the root zone in field experiments with irrigation. *Proceedings of the Research Institute for Irrigation, Drainage and Hydraulic Engineering at the Agricultural Academy, Sofia*, Vol. 25: 197-201 (summary in English).
18. **Koumanov, K.** and D. Davidov (1998). Evapotranspiration of a peach plantation with grassed interlines under micro-sprinkler irrigation. *Proceedings of the Research Institute for Irrigation, Drainage and Hydraulic Engineering at the Agricultural Academy, Sofia*, Vol. 25: 190-196 (summary in English).
19. **Koumanov, K.**, G. Stoilov, and D. Dochev (2000). Possibilities for express evaluation of nitrate content in non-saline soils. *Proceedings: 3-rd National Scientific and Technical Conference with International Participation “Ecology and Health’ 2000”*, Plovdiv, 26 Oct., pp. 111-114.

### 3. Related to the acquiring of the academic position “Professor”

#### *a. in international journals with impact factor*

1. **Koumanov, KS**, JW Hopmans, and L.J. Schwankl (2006). Spatial and Temporal Distribution of Root Water Uptake of an Almond Tree under Microsprinkler Irrigation. *Irrigation Science* 24(4): 267-278.

#### *b. in international journals*

2. **Koumanov, K.S.** (2003). Development of irrigation and drainage in Bulgaria (invited paper). *Vodoprivreda*, 35 (201-202): 86-90.
3. **Koumanov, K.S.**, I Tsareva, K. Kolev, G. Kornov (2009). Fertigation of primocane-fruiting raspberry – leaf and soil nutrient content between applications. *Acta Horticulturae (ISHS)* 825:341-348.
4. **Koumanov, K.S.**, J.W. Hopmans and L.J. Schwankl (2004). Soil water dynamics in the root zone of a micro-sprinkler irrigated almond tree. *Acta Horticulturae (ISHS)* 664:369-375.
5. **Koumanov, K.S.**, Z. Rankova, K. Kolev, S. Shilev (2009). Herbigation in a cherry orchard – translocation and persistency of pendimethalin in the soil. *Acta Horticulturae (ISHS)* 825:305-312.
6. Rankova, Z., **K.Koumanov** (2004). Efficiency of some soil herbicides in a raspberry plantation under drip irrigation. *Jugoslovensko voćarstvo* 38(147-148): 163-169.
7. Rankova, Z., **K. Koumanov**, K. Kolev, S. Shilev (2009). Herbigation in a cherry orchard – efficiency of pendimethalin. *Acta Horticulturae (ISHS)* 825:459-464.
8. Gandev, S., V. Arnaudov, V. Dzhuvinov, M. Perifanova-Nemska, **K. Koumanov** (in print). Agrobiological Evaluation of 'Lara' Walnut Cultivar under the Climatic Conditions of South Bulgaria. Second Balkan Symposium, 5-9 September 2011, Pitesti, Romania, *Acta Horticulturae*. (2011)

#### *c. in Bulgarian journals*

9. **Koumanov, K.** (2003). Phenologically based irrigation regimes for drip irrigation of raspberry. *Journal of Mountain Agriculture on the Balkans*, 6(5):518-529.
10. **Koumanov, K.** (2011). The pilot-sample size in statistical analysis. *Journal of Mountain Agriculture on the Balkans*, 14(6): 1346-1357.
11. **Koumanov, K.**, G. Kornov, K. Kolev and Z. Rankova (2006). The daily yield impact on the harvesting economical efficiency fro primocane-fruiting raspberry varieties. *Journal of Mountain Agriculture on the Balkans* 9(6):1065-1076.
12. **Koumanov, K.**, K. Kolev (2007). On the volume of raspberry fruit sample when estimating the average mass of one fruit. *Journal of Mountain Agriculture on the Balkans*, 10(6):1128-1139.
13. **Koumanov, K.**, K. Kolev (2008). Volume of the sample for estimating the average mass and the dimensions of one cherry and apple fruit. *Journal of Mountain Agriculture on the Balkans*, 11(7): 1478-1490.
14. **Koumanov, K.**, K. Kolev (2009). Sample size estimation. *Journal of Mountain Agriculture on the Balkans*, 12(6): 1566-1575.
15. **Koumanov, K.**, K. Kolev, Z. Rankova, S. Milusheva, Z. Rusalimov and I. Tsareva (2005). Yield and growth of Lyulin raspberry variety under lowland conditions and regulated-deficit drip irrigation. *Journal of Mountain Agriculture on the Balkans*, 8(1):83-94.

16. **Koumanov, K.**, M. Moteva and V. Kazandjiev (2010). Estimation of the evapotranspiration of a peach orchard from meteorological data – easy or complicated?. *Journal of Mountain Agriculture on the Balkans* 13(6): 1621-1634.
17. Kornov, G., **K. Koumanov**, and I. Tsareva (2011). Regulated deficit drip irrigation impact on the fruit chemical composition of 'Lyulin' primocane-fruiting raspberry cultivar. *Journal of Mountain Agriculture on the Balkans* 14(6): 1319-1330.
18. Kornov, G., **K. Koumanov**, K. Kolev, Z. Rankova, S. Milusheva and I. Tsareva (2010). Regulated deficit drip irrigation impact on the growth of the 'Lyulin' primocane-fruiting raspberry cultivar. *Journal of Mountain Agriculture on the Balkans* 5: 1374-1384.
19. Kornov, G., **K. Koumanov**, S. Milusheva, K. Kolev, Z. Rankova and I. Tsareva (2009). Regulated deficit drip irrigation impact on the yield of the 'Lyulin' primocane-fruiting raspberry cultivar. *Journal of Mountain Agriculture on the Balkans*, 12(6): 1553-1565.
20. Rankova, Z. and **K. Koumanov** (2005). Yield of Lyulin remontant raspberry cultivar after treatment with some soil herbicides under the conditions of continuous soil wetting. *Journal of Mountain Agriculture on the Balkans*, 8(2):193-201.
21. Rankova, Z. and **K. Koumanov** (2006). Effect of some soil herbicides on chlorophyll content in the leaves of Lyulin raspberry cultivar grown under drip irrigation conditions. *Journal of Mountain Agriculture on the Balkans*, 9(2):250-259.
22. Rankova, Z. and **K. Koumanov** (2007). Effect of the soil herbicide Dihlobenil (Casoron 6, 7G) on the growth and development of Samodiva cv. raspberries grown under drip irrigation conditions. *Journal of Mountain Agriculture on the Balkans*, 10(2):372-381.
23. Rankova, Z. and **K. Koumanov** (2010). Effect of some soil herbicides on the growth and yield of 'Lyulin' primocane-fruiting raspberry cultivar grown under drip irrigation. *Journal of Mountain Agriculture on the Balkans*, 13(4): 961-971.
24. Tsareva I., K. Kolev, V. Dzhuvinov, **K. Koumanov** (2007). Dynamics of nitrogen, phosphorus and potassium content in sweet cherry leaves of different cultivar/rootstock combinations. *Journal of Mountain Agriculture on the Balkans*, 10(6):1082-1092.
25. Tsareva, I., **K. Koumanov** and K. Kolev (2009). Dynamics of shoot and fruit growth in some cultivar-rootstock combinations of sweet cherry under drip irrigation and fertigation. *Journal of Mountain Agriculture on the Balkans*, 12(6): 1607-1615.
26. Tsareva, I., **K. Koumanov** and G.Kornov (2010). Effect of phenological phases on the mineral content of leaves of six cherry cultivars grafted on 'Gisela 5' rootstock – implications for improving fertilization through micro-irrigation and fertigation. *Journal of Mountain Agriculture on the Balkans* 13(5): 1338-1352.
27. Tsareva, I., **K. Koumanov** and G.Kornov (2011). Tuning fertigation: rootstock impact on the mineral content of flower buds, flowers and leaves of the 'Bigarreau Burlat' cherry cultivar. *Journal of Mountain Agriculture on the Balkans*, 14(6): 1292-1303.
28. Tsvetanov, E. and **K. Koumanov** (2010). Improving the irrigation scheduling of a grapevine nursery taking in account the increasing root zone during vegetation. *Journal of Mountain Agriculture on the Balkans*, 13(4): 985-997.
29. Tsvetanov, E. and **K. Koumanov** (2011). Improving the grapevine nursery irrigation regime: a model of root zone enlargement. *Journal of Mountain Agriculture on the Balkans*, 14(5): 1099-1110.
30. **Koumanov, K.** (2004). Do we evaluate properly the application rates under microirrigation of orchards. *Plant Science* 40: 451-456 (summary in English).
31. **Koumanov, K.** (2005). Toward a proficient design, construction and use of the micro-irrigation systems. *Agriculture Plus* 4: 32-33. (in Bulgarian).
32. **Koumanov, K.** (2005). Micro-sprinkler irrigation in orchards. *Agriculture Plus* 5: 31-32. (in Bulgarian).
33. **Koumanov, K.** (2005). Fertigation: the modern alternative for fertilization. *Agriculture Plus* 6-7: 31-32. (in Bulgarian).

34. **Koumanov, K.** (2007). Chemigation: application of agro-chemicals with the irrigation water. *Agriculture Plus* 5: 29-31. (in Bulgarian).
35. **Koumanov, K.** (2008). Micro-irrigation: use and abuse. *Agriculture Plus* 7-8: 9-10 (in Bulgarian).
36. **Koumanov, K.** (2010). The microirrigation – problems and challenges. *Agricultural Engineering* 3: 85-89.
37. **Koumanov, K.**, G. Kornov, V. Kazandjiev (2009). The irrigation – an integrating component of modern fruitgrowing. *Plant Science* 46: 224-229 (Abstract in English).
38. **Koumanov, K.**, G. Stoilov and D. Dochev (2005). Fertigation as an alternative of the traditional fertilization with phosphorus in the orchards. *Soil Sci., Agrochem. & Ecol.* XL(2): 12-16 (summary in English).
39. Kolev, K., Z. Rankova and **K. Koumanov** (2008). Effect of isoxaflutol (Merlin 750 WG) on the vegetative habits and the yield of intensively grown sweet cherry trees. *Plant Science* 45: 261-264 (summary in English)
40. Manolova, V., A. Zhivondov, **K. Koumanov**, K. Kolev (2008). Fruits as a source of additional incomes. *Agriculture Plus* 3: 14-15. (in Bulgarian).
41. Rankova, Z., **K. Koumanov**, G. Kornov, K. Kolev, S. Shilev (2010). Herbigation in fruit plantations. *Agriculture Plus* 4: 42-43. (in Bulgarian).
42. Rusalimov, J., **K. Koumanov** (2005). Mechanized pruning of primocane-fruiting raspberry varieties. *Proceedings, National Centre for Agrarian Sciences* 3: 263-267. (in Bulgarian)
43. Tsareva, I., I. Terziev, **K. Koumanov** and K. Kolev (2009). Mineral nutrients content of the sweet cherry leaves during the vegetation in some cultivar-rootstock combinations. *Plant Science* 46: 116-120 (summary in English).

#### ***d. reports published in proceedings of international forums***

44. **Koumanov, K.S.** (2002). Drought mitigation effects of microirrigation in orchards. *ICID International Conference on "Drought Mitigation and Prevention of Land Desertification"*, Bled, Slovenia, 20-26 April, 10 pp.
45. **Koumanov, K.S.** (2002). Towards improving of water management in fruit-tree plantations under micro-irrigation. *ICID 18<sup>th</sup> Congress*. Paper Q50.1/P1.02. 21-28 July, Montreal, Canada, 12 pp.
46. **Koumanov, K.S.** (2003). Water application efficiency and the paradigms of microirrigation scheduling in orchards. *Conference on: Integrated Water Management: Policy Aspects*, Agricultural Research Institute, Nicosia, Cyprus, 14-16 April 2003.
47. **Koumanov, K.S.** (2004). Nitrogen use efficiency under fertigation of a raspberry plantation during the first vegetation. *ICID-MAKCID 4-th International Workshop on Research on Irrigation and Drainage*, Skopje, Republic of Macedonia, 24 March 2004, pp. 149-158.
48. **Koumanov, K.S.** (2007). On the necessity for further improvement in microirrigation scheduling. *ICID 22<sup>nd</sup> European Regional Conference*, 2-7 September 2007, Pavia, Italy, 7 pp.
49. **Koumanov, K.S.** K. Kolev, Z. Rankova, S. Milusheva, Z. Rusalimov and I. Tsareva (2006). Regulated deficit drip irrigation and water use efficiency of a raspberry (*Rubus Idaeus L.*) primocane-fruiting cultivar. *ICID 7-th International Micro Irrigation Congress*. B-40: 7 pp.
50. **Koumanov, K.** (2006). Application of agrochemicals through the microirrigation systems. *Proceedings, First International Symposium "Ecological Approaches Towards the Production of Safety Food"*, Association "Regional Science and Technology Unions – Plovdiv", 19-20 October 2006, Plovdiv: 139-144 (summary in English).
51. **Koumanov, K.** (2007). Effective and environment-friendly use of the microirrigation systems in orchards. *Proceedings, Second International Symposium "Ecological Approaches Towards the Production of Safety Food"*, Association "Regional Science and

Technology Unions – Plovdiv”, 18-19 October 2007, Plovdiv, Bulgaria, 207-212 (summary in English).

52. **Koumanov, K.**, I. Tsareva and G. Kornov (2011). Fertigation: content of mineral nutrients in the soil solution and the leaves of cherry trees between two applications. *Proceedings of the International Conference “100 Years Bulgarian Soil Science”*, 16-20 May, Sofia, pp. 564-568.
53. Zhivondov, A., **K. Koumanov**, V. Dzhuvinov, V. Bozhkova, K. Kolev, Z. Rankova, V. Manolova and V. Arnaudov (2006). Efficient and environmentally friendly fruit production. *Proceedings, First International Symposium “Ecological Approaches Towards the Production of Safety Food”*, Association “Regional Science and Technology Unions – Plovdiv”, 19-20 October 2006, Plovdiv: 41-48. (summary in English).
54. Rankova, Z. and **K. Koumanov**, G. Kornov, K. Kolev, S. Shilev (2009). Herbigation – ecologically sound approach for weed control in fruit plantations. *3-rd Int. Symposium “Ecological Approaches Towards the Production of Safety Food”*, 55-60.

#### ***e. reports published in proceedings of Bulgarian forums***

55. Rankova, Z. and **K. Koumanov** (2010). Effect of some soil herbicides on plant mineral nutrition and yield quality of the ‘Lyulin’ primocane-fruited raspberry cultivar grown under drip irrigation. *Scientific Works of the Agricultural University – Plovdiv*. Vol. LV (1): 297-302.

#### ***f. chapters in books, handbooks and guidebooks***

56. **Koumanov, K.** (2010). Irrigation of walnut. *In: Walnut (Dzhuvinov, V, Ganchev, S., Koumanov, K and Arnaudov, V.), Monograph, Biofruit BG – Ltd., 112-134 (in Bulgarian).*
57. **Koumanov, K.** (2010). Floor management in the walnut orchard. *In: Walnut (Dzhuvinov, V, Ganchev, S., Koumanov, K and Arnaudov, V.), Monograph, Biofruit BG – Ltd., 135-139 (in Bulgarian).*
58. **Koumanov, K.** (2010). Fertilization of walnut. *In: Walnut (Dzhuvinov, V, Ganchev, S., Koumanov, K and Arnaudov, V.), Monograph, Biofruit BG – Ltd., 78-111 (in Bulgarian).*
59. **Koumanov, K.** (2008). Irrigation. *In: Handbook on Fruitgrowing (Ed. Dzhuvinov, V.), EXACT 93, Plovdiv, 133-152 (in Bulgarian).*
60. **Koumanov, K.** (2008). Fertilization. *In: Handbook on Fruitgrowing (Ed. Dzhuvinov, V.), EXACT 93, Plovdiv, 101-132 (in Bulgarian).*
61. Kirilov, P., K. Kamburova, L. Fachikov, **K. Koumanov** and I. Pachev (2010). Liquid Fertilizers: Composition, Properties and application. *University of Chemical Technology and Metallurgy, Sofia*, 91 pp. (in Bulgarian).

#### ***g. strategies and other documents on the agriculture and science development***

62. Zhivondov, A., V. Manolova, Z. Rankova, V. Bozhkova, V. Dzhuvinov, K. Koumanov, S. Masheva, M. Mihov, G. Antonova, E. Nacheva, G. Pevicharova, D. Kostova, V. Koteva, L. Krasteva, Ts. Georgiev, D. Strelkova, S. Vitkova, S. Bachvarova, A. Rusenov, S. Tsoneva, K. Lambrev, A. Bozhinova (2008). Strategy for developing the fruit and vegetable production in Republic of Bulgaria during the period 2009-2013. *Ministry of Agriculture and Food, Agricultural Academy*, 80 pp (in Bulgarian).

#### ***h. brochures***

Kouman Smilkov Koumanov, Assoc. Prof., Civil Eng., Ph.D.

63. Dzhuvinov, V., **K. Koumanov**, S. Gandev, V. Arnaudov and I. Slavov (2004). Walnut. *FAO—Fruitgrowing Institute-Plovdiv TCP/BUL/0166(3001)*, Plovdiv 2004, 49 pp. (in Bulgarian).
64. Dzhuvinov, V., K. Kolev, **K. Koumanov**, Z. Rankova, I. Slavov (2006). Intensive Growing of Cherries. *PrintX Ltd.*, Plovdiv. 56 pp. (in Bulgarian).
65. Dzhuvinov, V., **K. Koumanov**, V. Bozhkova, I. Lecheva and V. Popov (2007). Integrated Pome Fruit Production (Apple and Pear). Basic Principles and Rules. *Printex Ltd.*, Plovdiv, 48 pp. (in Bulgarian).
66. Dzhuvinov, V., **K. Koumanov**, H. Kutinkova, Z. Rankova (2008). Ecological Production of Apple Fruit. The Belgium Experience Applied in Bulgaria. *PrintX Ltd.*, Plovdiv, 20 pp. (in Bulgarian).

***i. reports from international forums published in abstract***

67. **Koumanov, K.**, G. Stoilov, D. Dochev (2008). Soil type impact on water and nitrogen distribution in the root zone of peach trees under drip-fertigation. *Eurosoil Congress 2008*, Vienna, Austria, Report S07.M.04, p. 49 (abstract).
68. **Koumanov, K.S.** K. Kolev, Z. Rankova, S. Milusheva, Z. Rusalimov and I. Tsareva (2005). Water Use Efficiency of Raspberry (*Rubus Idaeus L.*) in Lowland Conditions under Regulated Deficit Drip Irrigation. *Interdrought II, the Second International Conference on Integrated Approaches to Sustain and Improve Plant Production under Drought Stress*. 24-28 September 2005, Rome (abstract).
69. Moteva, M., Z. Zhivkov, **K. Kumanov** and V. Kazandjiev (2010). Irrigation scheduling on the base of variantly estimated crop evapotranspiration. Collection of Abstracts: *4-th International Conference “Trends in Agricultural Engineering 2010”*, Czech University of Life Sciences – Prague, p. 104.

***j. informative papers***

70. **Koumanov, K.** (2005). Microirrigation: a tale about the master and the chip. *Thracian Agronews* 41:3.
71. **Koumanov, K.** (2005). Microsprinkling: irrigation and what is more. *Thracian Agronews* 38:3.
72. **Koumanov, K.** (2005). Fertigation: the modern alternative. *Thracian Agronews*.
73. **Koumanov, K.** (2008). To “burn down” with drip irrigation. *Maritsa*, 27.05.2008 p. 11 and 03.06.2008, p. 11.
74. Zhivondov, A. , V. Manolova, **K. Koumanov**, K. Kolev, and Z. Rankova (2007). Fruit growing is profitable if managed by professionals. *Bulgarian farmer*, XVI(809): 7-8.
75. Zhivondov, A. , V. Manolova, **K. Koumanov**, K. Kolev, and Z. Rankova (2007). Fruit growers should become organized. *Bulgarian farmer*, XVI(810): 7-8.

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