

CURRICULUM VITAE

Dr. Vladimir V. Nosov

Year of birth: 1972

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EDUCATION

1989-94	<p>Lomonosov Moscow State University, Faculty of Soil Science, Department of Soil Chemistry</p> <p>M.Sc. in Soil Science and Agricultural Chemistry</p> <p>M.Sc. Thesis: <i>“Effect of mineral fertilizer use and liming on the content of available forms of K, Ca and Mg in sandy loam sody-podzolic soils”</i></p>
	<p>Lomonosov Moscow State University, Faculty of Foreign Languages and Literatures, Department of Foreign Languages</p> <p>Certified Translator in Soil Science (English/Russian)</p>
1994-97	<p>Lomonosov Moscow State University, Faculty of Soil Science, Department of Soil Chemistry</p> <p>Ph.D. in Soil Science</p> <p>Ph.D. Thesis: <i>“Effect of clay material content and composition on the status of potassium in sody-podzolic soils”</i></p>

RECORD OF EMPLOYMENT

<i>Period</i>	<i>Position, organization</i>	<i>Job description</i>
1998-02	<p>Scientific Officer</p> <p>Lubertsy Agricultural Research Station (Lubertsy, Moscow Oblast, Russia)</p>	<ol style="list-style-type: none"> 1. Conducting of greenhouse pot experiments with mineral fertilizers 2. Summarization of results from long-term field experiments with mineral fertilizers
2003-08	<ol style="list-style-type: none"> 1. Expert of Marketing Department 2. Acting Head of Marketing Department (2007-08: 6 months) <p>International Potash Company (Moscow, Russia)</p>	<ol style="list-style-type: none"> 1. Global market research on potash fertilizers 2. Global dry bulk market research 3. Russian real estate market research
2008-present	<p>Director, Southern and Eastern Russia</p> <p>International Plant Nutrition Institute (Moscow, Russia)</p>	<p>www.ipni.net</p>

ADDITIONAL EMPLOYMENT

<i>Period</i>	<i>Position, organization</i>	<i>Job description</i>
1998-02	Assistant Coordinator FSU International Potash Institute (Basel, Switzerland)	Promotion of potash fertilizer use in the agriculture of FSU
2001-02	Expert of Marketing Dept. (part-time) International Potash Company (Moscow, Russia)	Global market research on potash fertilizers
2003-05	Vice-President Agriculture (part-time) Union of Producers & Exporters of Potash and Salt (S.-Petersburg, Russia)	Russia and Belarus market research on potash fertilizers
2003-06	Member of Managing Committee International Potash Company – Indian Potash Ltd. Potash Promotion Project (New Delhi, India)	Managing the International Project on promotion of potash fertilizer use in the agriculture of India
2006	Leader of Task Force on Central Asia International Potash Institute (Horgen, Switzerland)	Leading the International Team of Experts on Central Asia potash fertilizer market research
2003-08	1. Coordinator India, Bangladesh and Sri Lanka (2003-07) 2. Coordinator India East and Bangladesh (2008) International Potash Institute (Horgen, Switzerland)	Managing International Projects on promotion of potash fertilizer use in the agriculture of South Asia

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

<i>Period</i>	<i>Organization</i>
Since 2008	Dokuchaev Soil Science Society of Russia
Since 2014	American Society of Agronomy

RECOGNITION OF PROFESSIONAL ACHIEVEMENTS

<i>Year</i>	<i>Form</i>
2010	Jubilee Medal “40 years of the Russian Academy of Agricultural Sciences – Siberian Branch”

LIST OF PUBLICATIONS

Ph.D. Thesis

1. **Nosov, V.V.**, 1997. The effect of clay material content and composition on the potassium status in soddy-podzolic soils. PhD Thesis (Dissertation of candidate of biological sciences). Moscow, Russia. [Russian]

Research papers

2. **Nosov, V.V.**, Sokolova, T.A. and Prokoshev, V.V., 1995. The effect of potassium and magnesium fertilizers and liming on the behaviour of potassium, calcium and magnesium in sandy loam soddy-podzolic soils (results from field experiment). *Agrochemistry*, 10: 3-9. [Russian]
3. **Nosov, V.V.**, Sokolova, T.A., Prokoshev, V.V. and Isaenko, M.A., 1997. The effect of long-term fertilization with potassium on some indices of the status of potassium in soddy-podzolic soils under conditions of a field experiment. *Agrochemistry*, 5: 13-19. [Russian]. *Translated*: 1997. *Agricultural Chemistry*, 1(2): 137-143.
4. Sokolova, T.A., **Nosov, V.V.** and Prokoshev, V.V., 1998. Factors controlling the status of potassium in soddy-podzolic soils of different texture and mineralogical composition. *Herald of Moscow University*, 17 (2): 19-25. [Russian]
5. Sokolova, T.A., Isaenko, M.A., **Nosov, V.V.** and Prokoshev, V.V., 1999. The effect of long-term potassium fertilizer application on cation exchange potassium–calcium in soddy-podzolic soils of different texture and mineralogical composition. *Agrochemistry*, 4: 5-13. [Russian]. *Translated*: 1999. *Agricultural Chemistry*, 3 (2): 85-92.
6. Sokolova, T.A., **Nosov, V.V.** and Prokoshev, V.V., 1999. Kinetics of easily exchangeable potassium release by calcium from soddy-podzolic soils of different texture. *Soil Science*, 5: 575-585. [Russian]. *Translated*: *Eurasian Soil Science*, 32 (5): 521-530.
7. Kozlova, O.N., Sokolova, T.A., **Nosov, V.V.** and Baldina V.V., 2003. About potassium content in different extractants from chernozems and soddy-podzolic soils of various texture and mineralogical composition. *Agrochemistry*, 10: 13-21. [Russian]
8. **Nosov, V.V.**, Prokoshev, V.V. and Deryugin, I.P., 2003. Current problems of assessment of potassium status in soils. *Vladimir Agriculturist*, 1 (27): 28-30. [Russian]
9. Kumar, N., Meenakshi, N., Suresh, J. and **Nosov, V.**, 2006. Effect of potassium nutrition on growth, yield and quality of papaya (*Carica papaya L.*). *Indian Journal of Fertilizers*, 2 (4): 43-47.
10. Kumar, N., Meenakshi, N., Suresh, J. and **Nosov, V.**, 2007. Effect of potassium nutrition on growth, yield and quality of papaya. IPI Electronic International Fertilizer Correspondent e-ifc No. 11. Research Findings I: www.ipipotash.org/publications/detail.php?i=222
11. Mazid Miah, M.A., Saha, P.K., Islam, A., Nazmul Hasan, M. and **Nosov, V.**, 2007. Efficiency of potash fertilizer application in a rice-wheat cropping system in North-West Bangladesh. IPI Electronic International Fertilizer Correspondent e-ifc No. 12. Research Findings I: www.ipipotash.org/publications/detail.php?i=228
12. Mazid Miah, M.A., Saha, P.K., Islam, A., Nazmul Hasan, M. and **Nosov, V.V.**, 2007. Efficiency of potash fertilizer application in a rice-rice cropping system in Central Bangladesh. IPI Electronic International Fertilizer Correspondent e-ifc No. 13. Research Findings IV: www.ipipotash.org/publications/detail.php?i=234
13. Gunathilake, H.A.J., Herath, H.M.S.K. and **Nosov, V.**, 2008. Site-specific nutrient management in coconut plantations. IPI Electronic International Fertilizer Correspondent e-ifc No. 17. Research Findings I: www.ipipotash.org/e-ifc/2008-17/research1.php
14. Mazid Miah, M.A., Saha, P.K., Islam, A., Nazmul Hasan, M. and **Nosov, V.V.**, 2008. Potassium fertilization in rice-rice and rice-wheat cropping systems in Bangladesh. *Bangladesh Journal of Agriculture and Environment*, 4: 51-67.
15. Mazid Miah, M.A., Saha, P.K., Islam, A., Nazmul Hasan, M., Hossain, A.T.M.S. and **Nosov, V.V.**, 2009. Efficiency of potash fertilizer application in rice-wheat cropping system in Northwestern region of Bangladesh. *Bangladesh Journal of Agriculture and Environment*, 5 (1): 19-31.

16. Kumar, N., Soorianathasundaram, K., Meenakshi, N., Manivannan, M.I., Suresh, J. and **Nosov, V.**, 2010. Balanced fertilization in papaya (*Carica papaya* L.) for higher yield and quality. Acta Hort. (ISHS) 851, II Int. Symposium on Papaya: 357-362. www.actahort.org/books/851/851_54.htm
17. Bagrintseva, V.N. and **Nosov, V.V.**, 2012. Potassium nutrition for small grains grown on chestnut soils. Better Crops with Plant Food, 96 (4): 29-31. www.ipni.net/publication/bettercrops.nsf/issue/BC-2012-4 (Russian version: eeca-ru.ipni.net/article/EECARU-2111)
18. Yakimenko, V.N. and **Nosov, V.V.**, 2013. The Efficiency of Potassium Fertilizer Use in Western Siberia. Better Crops with Plant Food, 97 (2): 22-24. www.ipni.net/publication/bettercrops.nsf/issue/BC-2013-2 (Russian version: eeca-ru.ipni.net/article/EECARU-2123)
19. **Nosov, V.V.**, Biryukova, O.A., Kuprov, A.V. and Bozhkov, D.V., 2014. “Banquet” for King Corn. AgriBusiness, 3 (25): 36-38. [Russian]
20. **Nosov, V.V.**, Biryukova, O.A., Kuprov, A.V. and Bozhkov, D.V., 2014. Optimizing maize and soybean nutrition in Southern Russia. Better Crops with Plant Food, 98 (3): 10-12. www.ipni.net/publication/bettercrops.nsf/issue/BC-2014-3 (Russian version: eeca-ru.ipni.net/article/EECARU-2230)
21. Biryukova, O.A., Bozhkov, D.V. and **Nosov, V.V.** 2014. Comparison of soil test methods for available phosphorus in ordinary chernozem. Polythematic Electronic Scientific Journal of Kuban State Agrarian University, 09 (103). IDA [article ID]: 1031409038. [Russian] ej.kubagro.ru/2014/09/pdf/38.pdf
22. Biryukova, O.A., Bozhkov, D.V., **Nosov, V.V.** and Chepko, Zh.A. 2014. The content of macro- and micronutrients in grain corn grown on ordinary chernozem under various fertilization. Polythematic Electronic Scientific Journal of Kuban State Agrarian University, 09 (103). IDA [article ID]: 1031409039. [Russian] ej.kubagro.ru/2014/09/pdf/39.pdf
23. Biryukova, O.A., Bozhkov, D.V., Chepko, Zh.A. and **Nosov, V.V.** 2015. The environmental assessment of maize nutrition on ordinary chernozem in Rostov region. Plant Nutrition. Herald of IPNI, 1: 13-16. [Russian] eeca-ru.ipni.net/article/EECARU-2276
24. **Nosov, V.V.**, Biryukova, O.A. and Bozhkov, D.V. 2015. Available soil P in ordinary chernozems of Rostov region and P use efficiency in maize. Plant Nutrition. Herald of IPNI, 2: 12-14. [Russian] eeca-ru.ipni.net/article/EECARU-2288
25. **Nosov, V.V.**, Biryukova, O.A. and Bozhkov, D.V. 2016. Available phosphorus levels in ordinary chernozems of Rostov region and phosphorus use efficiency in maize plants. Moscow economic journal, 3. [Russian] <http://qje.su/selskoe-hozyajstvo/moskovskij-ekonomicheskij-zhurnal-3-2016-44/>
26. **Nosov, V.V.**, Biryukova, O.A. and Bozhkov, D.V. 2016. Maize response to potassium fertilizer in Southern zone of Rostov Oblast. Plant Nutrition. Herald of IPNI, 2: 6-8. [Russian] <http://eeca-ru.ipni.net/article/EECARU-2355>

Proceedings of Symposiums, Conferences & Workshops

27. **Nosov, V.V.**, 1996. The effect of potash and magnesium fertilizers on the behaviour of potassium, calcium and magnesium in loamy sand soddy-podzolic soil. Abstracts MSU Int. Conf. Students & Postgraduates on Fundamental Sciences Lomonosov-96. Soil Science. Moscow, Russia, pp. 63. [Russian]
28. **Nosov, V.V.**, 1996. The effect of potash and magnesium fertilizers and liming on the behavior of potassium, calcium and magnesium in loamy sand soddy-podzolic soil. Abstracts IAU Int. Sci. Conf. Young Scientists & Specialists on Agriculture. Part III. Kiev-Chabani, Ukraine, pp. 64. [Russian]
29. Prokoshev, V.V. and **Nosov, V.V.**, 1998. Assessment of conditions of most efficient use of potash fertilizers. Proc. NSAA Sci. Conf. on Modern Problems of Optimization of Plant Nutrition. N. Novgorod, Russia, pp. 239-240. [Russian]
30. Sokolova, T., Prokoshev, V., **Nosov, V.** and Barsova, N., 1998. Long-term changes of the K status of soils as affected by the clay mineralogy. Summaries 16th World Congress Soil Science, Montpellier, France. Vol. 2, pp. 839. (Also in: 1999. Proc. Workshop C on Essential Role of Potassium in Diverse Cropping Systems org. by IPI at 16th World Congress Soil Science. Montpellier, France, 1998, pp. 129.)
31. Prokoshev, V., Deryugin, I. and **Nosov, V.**, 1999. Methods of assessment of potassium status in soils and their practical importance. Proc. 6th CIAS Sci. Conf. on Scientific Guidance & Improvement in Methodology of Agrochemical Service in Russian Agriculture. Moscow, Russia, pp. 248-256. [Russian]
32. Prokoshev, V.V. and **Nosov, V.V.**, 1999. The aspect of potassium leaching through the profile of soddy-podzolic soils of different texture. Proc. RRICA Symp. on Lysimetric Research in Agrochemistry, Soil Science, Melioration & Agroecology, Moscow-Nemchinovka, pp. 141-146. [Russian]

33. Prokoshev, V.V. and **Nosov, V.V.**, 2000. Theoretical and practical aspects of use of some methods for soil potassium measurement. Proc. BRISSA Int. Sci. Conf. on Soil-Fertilizer-Fertility, Minsk, Belarus, pp. 92-98. [Russian]
34. Prokoshev, V.V., Deryugin, I.P. and **Nosov, V.V.**, 2000. About parameters of potassium cycle and potassium balance in major agricultural zones of Russia. Proc. RRICA Sci. Conf. on Cycle of Biogenic Elements in Adaptive-Landscape Agriculture of Different Soil-Climatic Regions of Russia. Moscow-Nemchinovka, pp. 51-57. [Russian]
35. Prokoshev, V.V., Deryugin, I.P. and **Nosov, V.V.**, 2001. Rational use of potash fertilizers in current conditions. Abstracts RIFA Sci. Conf. on 60 Years Geographical Network for Fertilizer Experiments. Bulletin RIFA, 115: 59. [Russian]
36. Sokolova, T.A., Prokoshev, V.V., **Nosov, V.V.**, 2001. Transformation of mineralogical composition in fine soil fractions under the influence of fertilizer use in view of soil monitoring problems. Abstracts RIFA Sci. Conf. on 60 Years Geographical Network for Fertilizer Experiments. Bulletin RIFA, 115: 99-101. [Russian]
37. Prokoshev, V.V., **Nosov, V.V.**, Karpinets, T.V. and Deryugin, I.P., 2001. The fertilization with potash in Russia. Guide & Abstracts 12th World Fertilizer Congress on Fertilization in the Third Millennium. Beijing, China, pp. 276.
38. Prokoshev, V.V., **Nosov, V.V.**, Karpinets, T.V. and Deryugin, I.P., 2001. The fertilization with potash in Russia. Proc. IPI-PRII Int. Symp. on Importance of Potassium in Nutrient Management for Sustainable Crop Production in India. New Delhi, India. Vol. 1, pp. 88-90.
39. Prokoshev, V.V., **Nosov, V.V.**, 2002. The perspective course to increase the profitability of mineral fertilizers use. Proc. BSAU Sci. Conf. on Problems and Perspectives of Agricultural Development in Regions of Russia. Ufa, Russia, pp. 200-202. [Russian]
40. **Nosov V.V.**, 2002. The importance of potash fertilizer use to sustain the ecological equilibrium. Proc. CRIAS Sci. Conf. on Ecological-Agrochemical Assessment of Soil Potassium Status and Efficiency of Potash Fertilizers, Moscow, Russia, pp. 106-111. *Also in:* 2002. Soil Fertility, 2 (5): 28-30. [Russian]
41. Sokolova, T.A., Kozlova, O.N., Prokoshev, V.V. and **Nosov, V.V.**, 2002. Possible mechanisms of potassium release with use of different extractants for chernozems and soddy-podzolic soils of different texture and mineralogical composition. Proc. CRIAS Sci. Conf. on Ecological-Agrochemical Assessment of Soil Potassium Status and Efficiency of Potash Fertilizers, Moscow, Russia, pp. 227-234. *Also in:* 2002. Soil Fertility, 2 (5): 17-20. [Russian]
42. Prokoshev, V.V. and **Nosov, V.V.**, 2002. Agroecological importance of determination of required level for potash fertilizers. Proc. PSAU Int. Sci. Conf. on Ecological Aspects of Intensification in Agricultural Production. Vol. II. Penza, Russia, pp. 65-66. [Russian]
43. **Nosov, V.V.**, Prokoshev, V.V. and Deryugin, I.P., 2002. Key aspects of potash fertilizer efficiency and related promotional strategy in Russia. Preprints of IPI Golden Jubilee Congress on Feed the Soil to Feed the People: The Role of Potash in Sustainable Agriculture. IPI, Basel, Switzerland, P. 77.
44. Prokoshev, V.V. and **Nosov, V.V.**, 2002. The level of potassium nutrition – major condition for sustainable agriculture in Central Chernozem Region. Proc. BRISA Sci. Conf. on Theory & Practice of Agrochemicals Use in the Agriculture of Central Chernozem Regions of Russia. Belgorod, Russia. [Russian]
45. Prokoshev, V.V. and **Nosov, V.V.**, 2002. Application of mineral fertilizers – major factor to increase sugar beet yields in Russia. Abstracts RRISS Int. Sci. Conf. Voronezh-Ramon, Russia. [Russian]
46. Mazid Miah, M.A., Saha, P.K., Islam, A., Nazmul Hasan, M. and **Nosov, V.V.**, 2007. Efficiency of potash fertilizer application in rice-rice and rice-wheat cropping system in Bangladesh. Proc. IPI-PAU Int. Symp. on Balanced Fertilization for Sustaining Crop Productivity, PAU, Ludhiana, India, 2006. Vol. I: Invited Papers. IPI, Horgen, Switzerland, pp. 179-192.
47. Islam, A., Mazid Miah, M.A., Hossain, A.T.M.S., Islam, M.R., Hasan, M.N. and **Nosov, V.**, 2007. Efficiency of potash fertilizer application to rice and wheat in Central and Northwest regions of Bangladesh. Proc. IPI-PAU Intern. Symp. on Balanced Fertilization for Sustaining Crop Productivity, PAU, Ludhiana, India, 2006. Vol. II: Extended Abstracts. IPI, Horgen, Switzerland, pp. 231-234.
48. Blaise, D., Singh, J.V., **Nosov, V.**, Bonsale, S.K. *et al.*, 2007. Response of rainfed cotton + pigeonpea strip intercropping system to K application. *The same source*, pp. 366-368.
49. Kumar, N., Meenakshi, N., Suresh, J. and **Nosov, V.**, 2007. Effect of potassium nutrition on growth, yield and quality of papaya. *The same source*, pp. 489-490.
50. Sarnaik, D.A. and **Nosov, V.**, 2007. Promotion of balanced fertilization in vegetable crops through demonstrative experiments at farmers fields in Chhattisgarh. *The same source*, pp. 591-593.
51. Islam, M.S. and **Nosov, V.**, 2008. Balanced fertilization for increasing and sustaining crop productivity. IPI-BFA-BRRI International Workshop, Dhaka, Bangladesh, 30 March - 1 April 2008. Short abstracts from the

- symposium. IPI Electronic International Fertilizer Correspondent e-ifc No. 17. Research Findings III: www.ipipotash.org/e-ifc/2008-17/research3.php
52. Ivanova, S. and **Nosov, V.**, 2009. Development of agriculture in Russia and its influence on fertilizers consumption. Doc. of the 1st Intern. Conference on CIS Fertilizers on the Global Market, Saint-Petersburg, Russia. Business Forum, Dnepropetrovsk, Ukraine, pp. 70-72.
 53. Philips, S., Majumdar, K., He, P., Jin, J., Norton, R., **Nosov, V.** and Jensen, T., 2010. The role of plant nutrition in narrowing yield gap in global wheat production. Abstracts of the 8th Int. Wheat Conf., St. Petersburg, Russia. Vavilov Research Inst. of Plant Industry, St. Petersburg, Russia. P. 59.
 54. Jensen, T., Norton, R. and **Nosov, V.** 2011 Balanced nutrition in *Brassica napus* production with emphasis on S fertilizer. Proceedings of the 13th Int. Rapeseed Congress, Prague, Czech Republic, pp. 54-56.
 55. Norton, R., Jensen, T. and **Nosov, V.** 2011. Balanced nutrition in *Brassica napus* production with emphasis on S fertilizer requirements. In: D. Luckett et al. (eds), 17th Australian Research Assembly on Brassicas, Wagga Wagga. NSW Department of Primary Industries, Australia, pp. 151-153.
 56. Ivanova, S.E. and **Nosov, V.V.**, 2011. Field experiments of the International Plant Nutrition Institute: subjects and results. Proc. V Siberian Agrochemical Pryanishnikov's Conf. on Long-Term Fertilizer Use. Agrochemical, Agronomic and Environmental Aspects. Siberian Branch of Russian Academy of Agricultural Sciences, Novosibirsk, Russia, pp. 165-170. [Russian]
 57. **Nosov, V.V.** 2012. Elemental composition of wheat grain. Proc. VII Intern. Conf. on Agricultural Science for Agriculture. Vol. II. Altai State Agrarian University, Barnaul, Russia, pp. 405-406. [Russian]
 58. Azarova, M.A., Biryukova, O.A and **Nosov, V.V.** 2012. Projection of maize yield in the conditions of Rostov Oblast. Proc. Young Scientists Conf. on Modern Problems of Soil Science and Environmental Management. Tomsk State University, Tomsk, Russia, pp. 4-7. [Russian]
 59. Ivanova, S.E. and **Nosov, V.V.** 2012. A modern approach to the development of rational fertilizer use systems. Abstracts of Reports, VI Congress of the Dokuchaev Soil Science Society. Petrozavodsk: Karelian Scientific Centre of the Russian Academy of Sciences. Book 1, pp. 295-297. [Russian]
 60. Biryukova, O.A Bozhkov, D.V., **Nosov, V.V.** and Chepko, Zh.A. 2014. Assessment of heavy metals content in maize grain on ordinary chernozem. Proc. Int. Sci. Conf. on Soil Ecology and Biology. Southern Federal University, Rostov-on-Don, pp. 248-251. [Russian]
 61. Chepko, Zh.A., Biryukova O.A., Bozhkov, D.V. and **Nosov, V.V.** 2014. Environmental assessment of maize nutrition on ordinary chernozem. Proc. Conf. on Mission of Young Specialists in Science. Southern Federal University, Rostov-on-Don, pp. 503-505. [Russian]
 62. **Nosov, V.**, Biryukova, O., Bozhkov, D. 2015. Comparison of soil test methods for phosphorus and potassium in Southern Russia. Abstract Book, 14th Intern. Symp. for Soil and Plant Analysis. Kona, Hawaii, USA. Presentation 7.2.
 63. Chepko, Zh.A., Sidorenko V.D., Bozhkov, D.V. and **Nosov V.V.** 2015. Microelement composition of maize grain on ordinary calcareous chernozem. Soil Degradation and Food Security in Russia. XVIII Dokuchaev Young Specialists Conf. St. Petersburg, St. Petersburg State University, pp. 137-138. [Russian]
 64. **Nosov, V.V.**, Biryukova, O.A., Bozhkov, D.V. 2015. The efficiency of fertilizer application to maize in Rostov Oblast. Proc. VII Siberian Agrochemical Conf. on Maintenance and Development of D.N. Pryanishnikov's Agrochemical Heritage in Siberia. Part II. Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia, pp. 151-155. [Russian]
 65. Chepko, Zh.A., Bozhkov, D.V., **Nosov V.V.**, Biryukova, O.A. and Sidorenko V.D. 2015. Concentrations and partitioning of macronutrients (N, P, K) in maize plants. Role of Botanical Gardens in Maintenance and Monitoring of Biodiversity. Proc. of Int. Conf. Southern Federal University, Rostov-on-Don, pp. 486-489. [Russian]
 66. **Nosov V.V.**, Biryukova, O.A. and Bozhkov, D.V. 2016. Maize response to potassium fertilizer in Southern zone of Rostov Oblast. Soil Science for Food and Ecological Safety of the Country: Proc. VII Dokuchaev Soil Science Society Congress. Part I. Moscow-Belgorod, pp. 326-327. [Russian]
 67. Biryukova, O.A., **Nosov V.V.**, Bozhkov, D.V. and Chepko, Zh.A. 2016. Fertility of ordinary chernozem under fertilizer application in maize-soybean crop rotation. Soil Science for Food and Ecological Safety of the Country: Proc. VII Dokuchaev Soil Science Society Congress. Part I. Moscow-Belgorod, pp. 59-60. [Russian]

Review papers

68. **Nosov, V.V.**, 2002. Review of book: Potassium and chloride in crops and soils. The role of potassium chloride fertilizer in crop nutrition (by Kafkafi U. *et al.*) Agrochemistry, 10: 99-101. [Russian]

69. **Nosov, V.V.**, 2007. Balanced fertilization for horticultural crops with particular reference to potassium: IPI results. In: Training Manual on "Role of balanced fertilization for horticultural crops" (N. Kumar, ed.). TNAU, Coimbatore, India, pp. 17-37.
70. Magen, H. and **Nosov, V.**, 2008. Putting potassium in the picture: achieving improved nitrogen use efficiency. Bangladesh Journal of Agriculture and Environment, 4 (Special Issue): 115-127.
71. **Nosov, V.** and Ivanova, S., 2009. Progress in wheat, sunflower and sugar beet cultivation in Russia. Better Crops with Plant Food, 93 (3): 4-6. www.ipni.net/publication/bettercrops.nsf/issue/BC-2009-3
72. Gamzikov, G. and **Nosov, V.**, 2010. Role of crop nutrition in narrowing the yield gap for spring wheat in Siberia. Better Crops with Plant Food, 94 (4): 9-11. www.ipni.net/publication/bettercrops.nsf/issue/BC-2010-4 (Russian version: eeca-ru.ipni.net/article/EECARU-2095)
73. **Nosov, V.**, 2011. Status of grain maize production and agronomic efficiency of mineral fertilizer use. Better Crops with Plant Food, 95 (1): 10-12. www.ipni.net/publication/bettercrops.nsf/issue/BC-2011-1 (Russian version: eeca-ru.ipni.net/article/EECARU-2095)
74. **Nosov, V.V.**, 2013. Use of potash fertilizer use in developed countries of Europe and America. Agrochemistry, 2: 37-41. [Russian]
75. **Nosov, V.V.**, Ismagilov, R.R. and Gaifullin, R.R., 2014. Efficiency of potassium fertilizer use in Volga region. Plant Nutrition. Herald of the International Plant Nutrition Institute, 1: 13-17. [Russian] eeca-ru.ipni.net/article/EECARU-2232
76. **Nosov, V.V.** 2016. The effectiveness of liquid ammonium polyphosphate. Plant Nutrition. Herald of the International Plant Nutrition Institute, 1: 11-16. [Russian] eeca-ru.ipni.net/article/EECARU-2336

Info papers

77. **Nosov, V.V.**, 2000. International Seminar on the Role of Potassium in the System of Sugar Beet Fertilization. Sugar Beet, 11: 11-14. [Russian]
78. Nikonorenkov, V.A. and **Nosov, V.V.**, 2001. International Seminar on Actual Problems of Balanced Fertilizer Use to Rapeseed and Other Oil Crops. Agrochemistry, 2: 93-95. [Russian]
79. Deryugin, I.P. and **Nosov, V.V.**, 2002. Scientific Conference on Ecologic-Agrochemical Assessment of Soil Potassium Status and Efficiency of Potash Fertilizers. Agrochemistry, 3: 86-91. [Russian]
80. Ivanova, S.E. and **Nosov, V.V.**, 2010. International Conference on Fertilizer and Agriculture. Agrochemistry, 7: 94-96. [Russian]
81. Ivanova, S.E. and **Nosov, V.V.**, 2012. Research activities of the International Plant Nutrition Institute. Agrochemistry, 2: 92-94. [Russian]

Interviews

82. **Nosov, V.** 2013. Effect of K fertilizers on soil fertility and plant nutrition. AIC Expert, 5 (48): 52-53. [Russian] sdexpert.ru/arhive/jurnalapk/48/list/45/
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35. He P., Chen F., Li Sh., Tu Sh. and Johnston A.M. 2015. Soil K increases from cash crops in China. IPNI Newsletter in Russian, 4: 13-16. <http://eeca-ru.ipni.net/article/EECARU-2324>
36. Rusan M. 2015. Fertigation of vegetable crops under drip irrigation in the Middle East: 4R Nutrient Stewardship. Presentation at the IPNI-Volgograd SAU-Uralchem Seminar on Fertigation of Field Vegetable Crops. Volgograd, Russia. eeca-ru.ipni.net/article/EECARU-2282
37. Sharma M.K. and Kumar P. 2011. A Guide to Identifying and Managing Nutrient Deficiencies in Cereal Crops by (edited by K. Majumdar et al.) IPNI-CIMMYT. 50 p.
38. Mikkelsen R. 2015. Lessons learned from long-term research: North American Experience. Presentation at the Int. Conf. on Scientific Heritage of D.N. Pryanishnikov and Current Problems of Agricultural Chemistry dedicated to 150th Birth Anniversary of D.N. Pryanishnikov. Moscow, Russia. <http://eeca-ru.ipni.net/article/EECARU-2315>

39. Barbazán M., Bautes C., Beux L., Bordoli J.M. et al. 2015. Soil Potassium in Uruguay: Current Situation and Future Prospects. IPNI Newsletter in Russian, 4: 5-7. <http://eeca-ru.ipni.net/article/EECARU-2324>
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Editing and reviewing English to Russian Translations

1. Bruulsema, T. and Reetz, H. Phosphorus Nutrition of Corn (slides). IPNI, 2007. eeca-ru.ipni.net/article/EECARU-2035
2. Johnston, A.M. and Murrell, S. Phosphorus Nutrition of Wheat (slides). IPNI, 2007. eeca-ru.ipni.net/article/EECARU-2007
3. Adamchuk, V.I. 2010. Precision agriculture: Does it make sense? Better Crops with Plant Food, 3 (94): 4-6. eeca-ru.ipni.net/article/EECARU-2096
4. Mullen, R. et al. 2010. Temporal variability of crop response to fertilizer. Better Crops with Plant Food, 3 (94): 16-17. eeca-ru.ipni.net/article/EECARU-2096
5. Melchiori, R. 2010. Advances in the use of remote sensors in Argentinean agriculture. Better Crops with Plant Food, 3 (94): 21-23. eeca-ru.ipni.net/article/EECARU-2096
6. Franzen, D. et al. 2010. Precision management zones increase sugar production in North Dakota and Minnesota. Better Crops with Plant Food, 3 (94): 24-25. eeca-ru.ipni.net/article/EECARU-2096
7. Winstead, A. and Fulton, J. 2010. Getting started with precision agriculture. Better Crops with Plant Food, 3 (94): 29-31. eeca-ru.ipni.net/article/EECARU-2096
8. Lester, G.E., Jifon, J.L. and Makus, D.J. 2010. Impact of potassium nutrition on food quality of fruits and vegetables: A condensed and concise review of the literature. Better Crops with Plant Food, 1 (94): 18-21. eeca-ru.ipni.net/article/EECARU-2123
9. Dutta, S., Majumdar, K. and Satyanarayana, T. 2013. Economic benefits of potash fertiliser application in major cereals grown in the Indo-Gangetic Plains. IPNI Newsletter in Russian, 1: 5-9. (Editing). eeca-ru.ipni.net/article/EECARU-2177. (Uralkali Market Analysis Report Key Element, 1: 6-8. www.uralkali.com/upload/iblock/5cd/KeyElement_2013_1_RUS.pdf)
10. Johnston, J. 2011. The Essential Role of Soil Organic Matter in Crop Production and the Efficient Use of Nitrogen and Phosphorus. Better Crops with Plant Food, 4 (95): 9-11. eeca-ru.ipni.net/article/EECARU-2208
11. Johnston, A.E. (Johnny) and Syers, J.K. 2009. A New Approach to Assessing Phosphorus Use Efficiency in Agriculture. Better Crops with Plant Food, 3 (93): 14-16. eeca-ru.ipni.net/article/EECARU-2209
12. Johnston, J., Fixen, P. and Poulton, P. 2014. The Efficient Use of Phosphorus in Agriculture. Better Crops with Plant Food, 4 (98): 22-24. eeca-ru.ipni.net/article/EECARU-2287
13. Jensen, T., Tiessen, K., Salvano, E., Kalischuk, A. and Flaten, D.N. 2011. Spring Snowmelt Impact on Phosphorus Addition to Surface Runoff in the Northern Great Plains. Better Crops with Plant Food, 1 (95): 28-31. eeca-ru.ipni.net/article/EECARU-2289
14. Johnson, R.S., Olivos, A., Xiaoqiong, Q., Crisosto, C. and Michilaidis, T. 2013. Proper Nectarine Nutrition Improves Fruit Quality. Better Crops with Plant Food, 3 (97): 11-13. eeca-ru.ipni.net/article/EECARU-2314
15. Kraus, H.T. and Warren, S.L. 2013. Ratios and Concentrations of Nitrogen, Phosphorus, and Potassium Affect Production of Woody Perennials. Better Crops with Plant Food, 1 (97): 11-12. eeca-ru.ipni.net/article/EECARU-2317
16. **Nutrient Source Specifics. 2015. IPNI. 25 p.**

ORAL TRANSLATION OF PRESENTATIONS (English to Russian)

1. Krauss, A. 2000. Dynamics of potash use and crop production of the world. IPI-Res. Inst. for Sugar Beet and Sugar Seminar on Role of Potassium in the System of Sugar Beet Fertilization, Ramon, Russia.
2. Magen, H. 2006. International Potash Institute and its activities. Meeting of IPI Director with the Staff of JSC Silvinit. Solikamsk, Russia.
3. Fixen, P. 2012. Contemporary approaches for monitoring soil K in North America. MOA-IPNI-JSC Uralkali Round Table on Improvement of the Basis of K Fertilizer Application. 14th Agricultural Exhibition "Golden Autumn 2012". Moscow, Russia.
4. Garcia, F. 2014. Nutrient management for soybean and sunflower in Argentina. IPNI-Res. Inst. for Oil Crops Round Table Meeting. Krasnodar, Russia.
5. Rusan, M. 2015. Fertigation of vegetable crops under drip irrigation in the Middle East: 4R Nutrient Stewardship. IPNI-Volgograd SAU-Uralchem Seminar on Fertigation of Field Vegetable Crops. Volgograd, Russia.
6. F. García. 2016. Potassium research at Uruguay. IPNI Symposium on The Efficiency of K Fertilizers in Modern Systems of Agriculture. VII Russian Soil Science Congress, Belgorod, Russia.

EVENTS ATTENDED (without presentations)

1. Rational Agriculture. JSC Kursk & Mir Seminar. Kursk-Maryino, Russia, 1998.
2. Problems of Potash in Agriculture of Kirov Oblast. IPI-VSAA Seminar. Kirov, Russia, 1998.
3. Potash Fertilizers in Republic Bashkortostan. JSC Silvinit Seminar, Sibai, Russia, 1999.
4. Current Problems of Balanced Fertilization in Oilseed Rape and Other Oil Crops. IPI-PAU Int. Workshop. Poznan-Shelinko, Poland, 2000.
5. III Congress of the Dokuchaev Soil Science Society of Russia. Suzdal, Russia, 2000.
6. Status & Prospects of Potash Fertilizer Use. IPI-RRIF Seminar. Torzhok, Russia, 2000.
7. Board Meeting of Agrochemical Service of Russia. Solikamsk, Russia, 2001.
8. Development of Agricultural Complex. Expert Journal Conf. Moscow, Russia, 2002.
9. Fertilizer and Agriculture. Meeting the Challenges. FAI Seminar. New Delhi, India, 2002.
10. Fertilizer Sector in India: A New Era. FAI Seminar. New Delhi, India, 2003.
11. Importance of Potash Fertilizers for Sustainable Production of Plantation and Food Crops in Sri Lanka. IPI-NFS Int. Workshop. Colombo, Sri Lanka, 2003.
12. Balanced Fertilization and Integrated Nutrient Management. IPI-FAI Fertilizer Dealers Training. Siligury, West Bengal, India, 2004.
13. The Doubling of GDP – the Basis for Social Development in Russia. RUCP Congress. Moscow, Russia, 2004.
14. Agrochemistry of Russia and CIS. Prospects of Promotion at Domestic & International Markets. Int. Chem. Summit Round-Table Meeting. Moscow, Russia, 2004.
15. Potassium in Balance Fertilization in Maharashtra. FAI-IPI-PPI/PPIC Round-Table Conference. Pune, Maharashtra, India, 2005.
16. Economic Growth through Agriculture & Fertilizers. FAI Seminar. New Delhi, India, 2005.
17. Fertilizers and the revival of agriculture. FAI Seminar. New Delhi, India, 2006.
18. V Congress of the Dokuchaev Soil Science Society of Russia. Rostov-on-Don, Russia, 2008.
19. Field Day 2009 of the Tatarstan Republic. Laishevskiy Distr., Tatarstan, Russia, 2009.
20. New Maize Hybrids & Cultivation Technologies. RIM Seminar, Pyatigorsk, Russia, 2009.
21. XVI International Plant Nutrition Colloquium (IPNC). Sacramento, California, USA, 2009.
22. Methodical Aspects of Agricultural Land Monitoring. RAAS-Soil Sci. Inst. Conf. Moscow, Russia, 2009.
23. IPNI Wheat Working Meeting, Moscow, Russia, 2009.
24. Annual Meeting of the Dokuchaev Soil Science Society of Russia, Moscow, Russia, 2009.
25. Where the Margin Is. IKAR Int. Conf. Moscow, Russia, 2010 (Presentation by S. Ivanova and V. Nosov on Fertilize for Profit).
26. The Use of Fertilizers and Plant Protection Inputs in Agriculture. Research Inst. of Agrochemistry Conference for Young Scientists and Post-Graduate Students. Moscow, 2010.

27. Status and Outlook of Agrochemical Research in the Geographical Network of Field Experiments with Fertilizers. RAAS-Res. Inst. of Agrochemistry-Union of Agrochemists & Agroecologists Int. Conf. Moscow, 2010.
28. Krasnodar Res. Inst. of Agriculture: Breeding Targets and Methods. KRIA Int. Conf. Krasnodar, 2010.
29. Annual Meeting of the Dokuchaev Soil Science Society of Russia, Moscow, Russia, 2010.
30. Annual Meeting of the Department of Farming of the Russian Academy of Agricultural Sciences, Moscow, Russia, 2011.
31. Annual Meetings (2) of the Dokuchaev Soil Science Society of Russia, Moscow, Russia, 2011.
32. Strategy of crop adaptation to frequent drought conditions Joint Meeting of the Ministry of Agriculture of Russia and the Russian Academy of Agricultural Sciences. Orenburg, Russia, 2012.
33. Maize and Sunflower Crop Management. Methods of Soil and Straw Management in Winter Crops. Field Day of the Don Zonal Research Institute of Agriculture. Rassvet, Russia, 2012.
34. Uralkali Business Breakfast. Moscow, Russia, 2012.
35. Uralkali Meeting without Ties for heads and leading specialists of agriholdings. Moscow, 2013.
36. IFA Training on Projecting Fertilizer Demand for heads and leading specialists of agriholdings. Moscow, 2013.
37. Actual Problems of Mineral Fertilizer Use in Intensive Systems of Agriculture: Best Foreign and Domestic Practices. Ministry of Agriculture of Russia-IPNI-Uralkali Seminar. 15th Agricultural Exhibition "Golden Autumn 2013". Moscow, Russia, 2013.
38. PhosAgro-UNESCO-IUPAC Symposium on Green Chemistry for Sustainable Development. PhosAgro, Moscow, Russia, 2014.

AGRI-FAIRS

Participation (work at the exhibition stand)

1. The Royal Show. International Agricultural Exhibition. Warwickshire, UK, 1999 (Potash Development Association, PDA).
2. World Fair "Russian Farmer". St. Petersburg, Russia, 1999 (JSC Uralkali and JSC Silvinit).
3. 3rd Russian Agricultural Exhibition. Moscow, Russia, 2001 (JSC Mineraltrading).
4. 1st Moscow International Sugar Forum. Moscow, Russia, 2002 (IPI).
5. World Fair "Russian Farmer". St. Petersburg, Russia, 2002 (JSC Mineraltrading).
6. 4th Russian Agricultural Exhibition. Moscow, Russia, 2002. (JSC Mineraltrading).
7. 13th Agricultural Exhibition "Golden Autumn 2011". Moscow, Russia, 2011.
8. 17th Agricultural Exhibition "Golden Autumn 2015". Moscow, Russia, 2015.

Attending (participation in events)

1. 10th Anniversary Russian Agricultural Exhibition "Gold Autumn 2008". Moscow, Russia, 2008.
2. 15th International Agro-Industrial Forum "SouthAgro". Krasnodar, Russia, 2008.
3. 15th AFA International Annual Fertilizers Forum & Exhibition. Cairo, Egypt, 2009.
4. 8th Moscow International Sugar Forum, Moscow, Russia, 2009.
5. 11th Anniversary Russian Agricultural Exhibition "Gold Autumn 2009". Moscow, Russia, 2009.
6. 12th Agricultural Exhibition "Golden Autumn 2010". Moscow, Russia, 2010.
7. 9th Siberian Agrotechnological Fair "Agro-Omsk 2011", Omsk, Russia, 2011.
8. 18th International Agro-Industrial Exhibition "SouthAgro". Krasnodar, Russia, 2011.
9. 15th Agricultural Exhibition "Golden Autumn 2013". Moscow, Russia, 2013.
10. 21st International Agro-Industrial Exhibition "SouthAgro". Krasnodar, Russia, 2014.
11. 22nd International Agro-Industrial Exhibition "SouthAgro". Krasnodar, Russia, 2015.

12. International Field Days in Volga Region. Laishevo Distr., The Republic of Tatarstan, Russia, 2016.