

R Koenig list of current publications (last 5 years)

1. Ott-Borrelli, K., R.T. **Koenig**, R. Gallagher, D. Pittman, A. Snyder, E. P. Fuerst, I.C. Burke and L. Hoagland. 2012. Alternative Strategies for Transitioning to Organic Production in Direct-Seeded Grain Systems in Eastern Washington II: Nitrogen Fertility. *J. Sustain. Agr.* 36:461-477.
2. **Koenig** R.T., C. Cogger, A. Bary. 2011. Dryland winter wheat yield, grain protein and soil nitrogen responses to fertilizer and biosolids applications. *Applied and Environmental Soil Science*. Vol 2011, #925462, doi:10.1155/2011/925462.
3. Hammac, W.A., W. Pan, R. Bolton and R.T. **Koenig**. 2011. High resolution imaging to assess oilseed species' root hair responses to soil water stress. *Plant and Soil* 339:125-135.
4. Neely, H.L., R.T. **Koenig**, C.A Miles, T.C. Koenig and M. Karlsson. 2010. Diurnal fluctuation in tissue nitrate concentration of field-grown leafy greens at two latitudes. *HortScience* 45:1815-1818. (Recognized by *HortScience* as one of 'Top 10 articles read in December 2010', see http://www.ashs.org/index.php?option=com_content&view=article&id=882:horts-science-top-10-articles-read-in-december-2010&catid=60:horts-science&Itemid=180 and highlighted in *Horticulture Week* <http://www.hortweek.com/news/1056275/Research-matters-nitrate-field-grown-salads/>)
5. Gallagher, R.S., D. Pittman, A. Snyder, R.T. **Koenig**, E.P. Fuerst, I.C. Burke, and L.A. Hoagland. 2010. Alternative strategies for transitioning to organic production in direct-seeded grain systems in eastern Washington I: Crop agronomy. *Journal of Sustainable Agriculture* 34:483-503.
6. Ingle, H., R.T. **Koenig** and M. Stowe. 2010. Effect of seed-row placement of conventional and polymer-coated urea on winter wheat emergence. *Communications in Soil Science and Plant Analysis* 41:887-896.
7. Proctor, C., R.T. **Koenig** and W. Johnston. 2010. Potential for ammonia volatilization from urea in dryland Kentucky bluegrass (*Poa pratensis*) seed production systems. *Communications in Soil Science and Plant Analysis* 41:320-331.
8. Abi-Ghanem, R., L. Carpenter-Boggs, R.T. **Koenig**, C. Pannkuk, W. Pan, and R. Parker. 2009. Extension education for dryland cropping systems in Iraq. *Journal of Natural Resources and Life Sciences Education* 38:133-139. This article was highlighted and adapted in *CSA news* 54(8):32-33 <https://www.crops.org/publications/csa-news/0908>)
9. Ott, K., R.T. **Koenig** and C. Miles. 2009. A comparison of rapid potentiometric and colorimetric methods for monitoring tissue nitrate concentrations in leafy green vegetables. *HortTechnology* 19:439-444. (highlighted in a *Science Daily* news release Sept. 8, 2009,

<http://www.sciencedaily.com/releases/2009/09/090908124626.htm>).

10. **Koenig**, R.T., D. Winward, C. Reid, J. Barnhill, M. Pace, and K. Heaton. 2009. Phosphorus source and surface fluid band spacing effects on irrigated alfalfa. *Soil Science Society of America Journal* 73:1-8.
11. Ott, K.A., R.T. **Koenig** and C.A. Miles. 2008. Impacts of plant part on nitrate concentration in leafy greens. *International Journal of Vegetable Science* 14:351-361.
12. **Koenig** R.T., T. Koenig, J. Kotuby-Amacher, P. Grossl. 2008. A laboratory exercise relating soil energy budgets to soil temperature. *Journal of Natural Resources and Life Sciences Education* 37:59-62.
13. Brown, T.T., R.T. **Koenig**, D.R. Huggins, J.B. Harsh and R.E. Rossi. 2008. Lime effects on soil acidity, crop yield and aluminum chemistry in direct-seed cropping systems. *Soil Science Society of America Journal* 72:634-640.