

## **SANJAY KUMAR GAMI**

### **MAILING ADDRESS**

Nutrient Management Spear Program  
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My focus is mainly on organization and management of the laboratory of the Nutrient Management Spear Program, conducting all laboratory analyses of soil, plant, and water samples for various projects.

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### **RESEARCH INTEREST**

- Management of sustainable agriculture including conservation tillage
- Development of soil and fertilizer management practices for agricultural crops
- Management of organic amendments and sound nutrient management practices to improve crop quality and environment
- Studies on dynamics and cycling of nutrients and C
- Farmer/grower participatory and collaborative research

### **EDUCATION**

**Ph.D. in Soil Science-** Cornell University, Ithaca, NY, August 2007

- Minor in Crop Science and Environmental Information Science
- Dissertation title: *Carbon sequestration potential of rice-wheat soils in the eastern Indo-Gangetic Plains.*
- Advisor: Prof. John M. Duxbury

**M.S. in Soil Science-** Central Luzon State University, Munoz, NE, Philippines, 1992

- Minor in Crop Science
- Dissertation title: *Utilization of Compost on Lowland Rice*
- Advisor: Prof. Miguel L. Aragon

**B.S. in Agricultural Science** – Institute of Agriculture and Animal Science, Tribhuvan University, Nepal, 1982

## **PROFESSIONAL EXPERIENCE**

Animal Science Department, Nutrient Management Spear Program, Cornell University, Ithaca, NY, USA

### **Research Associate, May 2011-to present**

- Evaluation of the impacts of acid whey on soil pH and liquid manure pH.
- Assessment of the relationship between  $\text{NH}_3$  and  $\text{CO}_2$  dynamics and the pH of acid whey and manure mixture over time,
- Evaluation of application of manure mixed with acid whey on soil pH,  $\text{NH}_3$ ,  $\text{CO}_2$ , soil  $\text{NH}_4\text{-N}$  and  $\text{NO}_3\text{+NO}_2\text{-N}$  dynamics for seven different soils.
- Analyzed of soil samples of cover crop project and double crop study especially for ammonium- and nitrate-N.
- Evaluation of soil testing approaches for determination of cation exchange capacity and cation saturation ratios.
- Working as an overall lab manager of Nutrient Management Spear Program.
- Identification of ISNT-N and CSNT distribution over the farm in NY.
- Specialized in soil and plant analysis related to soil fertility research and crop production program geared towards helping farmers, extension and environmental specialists.
- Analyzing and performing late season corn stalk nitrate test, corn stalk potassium test, Illinois soil nitrate test (ISNT), soil pH, organic matter determination by loss on ignition method, permanganate oxidizable carbon test, soil sulfur, potassium, calcium and magnesium, cation exchange capacity (CEC) and analyzing soil extractable ammonium-N and nitrate+nitrite-N, total C, total N and Solvita  $\text{CO}_2$ .
- Helping graduate and undergraduate students with analytical aspects of their project, teaching them how to conduct analyses and ensuring proper laboratory safety and quality control measures.
- Help with the lab techniques to team members along with students doing internship in our program.

Animal Science Department, Nutrient Management Spear Program, Cornell University, Ithaca, NY, USA

### **Postdoctoral Associate, December 2008-to April 2011**

- Studying whole farm and stalk nitrate field history survey and nitrogen management evaluation tool.
- Working as an overall lab manager of Nutrient Management Spear Program.
- Assessment of the use of the Illinois Soil Nitrogen Test and Corn Stalk Nitrate Test for prediction of nitrogen needs of corn.
- Specialized in soil and plant analysis related to soil fertility research and crop production program geared towards helping farmers, extension and environmental specialists.
- Field calibration and validation of various tools for management of nitrogen, sulfur and potassium for corn and alfalfa rotation.
- Analyzing and performing late season corn stalk nitrate test, Illinois soil nitrate test (ISNT), total C, total N, soil pH, organic matter determination by loss on

- ignition method, soil sulfur, Solvita CO<sub>2</sub>, cation exchange capacity and analyzing water and other solutions for ammonium-N and nitrate+nitrite-N using flow analyzer.
- Guide graduate and undergraduate students for soil and plant analysis in related to their research and course works.

Crop and Soil Science Departments, Cornell Nutrient Analysis Laboratory, Cornell University, Ithaca, NY, USA

**Postdoctoral Associate, September 2007-to November 2008**

- Developed and implemented quality assurance (QA) and quality control (QC) protocols in the laboratory in compliance with National Environmental Laboratory Accreditation Program (NELAP) as mandated by New York State Department of Health for Cornell Nutrient Analysis Laboratory accreditation in 2008.
- Prepared QA/QC and standard operating procedures manual for the lab in requirement for laboratory certification.
- Collaborated, communicated and trained the laboratory staff when developing and implementing NELAP protocols and manuals.
- Assisted the program analyst in developing the process for incorporating QA/QC steps during the integration phase of lab instruments with new LIMS.
- Prepared lab manual for analyzing different elements of soil, plant, manure and fertilizers, and water samples.
- Prepared protocol for corn stalk nitrate test (CSNT) and performed CSNT, analyzed soil, plant and other materials for total N and C using CN analyzer and analyzing water and other solutions for TOC using TOC analyzer and ammonia-N, nitrate+nitrite-N and ortho-phosphate using flow analyzer. .
- Given laboratory training to undergraduate, graduate students, farmers and extension staffs.

Department of Crop and Soil Sciences, Cornell University, Ithaca, NY, USA

**Graduate Research Assistant (Doctoral Fellow), 2001-to August 2007**

- Studied influence of soil texture and cultivation on carbon and nitrogen levels in soils of the eastern Indo-Gangetic Plains.
- Studied soil organic carbon and nitrogen stocks in Nepal long-term soil fertility experiments. The Rothamsted (RothC) model was used to examine and simulate soil organic carbon changes from three long-term soil fertility experiments under rice-rice-wheat and rice-wheat cropping systems. RothC model was also used to evaluate soil organic carbon changes in farmer's fields at different levels of soil texture (silt + clay content) under rice-wheat systems.
- Investigated the dynamics of root and shoot carbon decomposition patterns in soil under different tillage practices using in field <sup>13</sup>C pulse labeling of wheat and rice.
- Studied on a synthesis of carbon sequestration and greenhouse gases (CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O) emission under rice-wheat system: comparison between conventional and zero tillage practices.

Regional Agriculture Research Station Parwanipur, Nepal Agricultural Research Council, Nepal

**Senior Soil Scientist/Rice-Wheat Coordinator, 1996-2001**

- Worked as a Senior Soil Scientist and Coordinator of Rice-Wheat Project in the central region of Nepal.
- Conducted long-term soil fertility experiment under rice-wheat (R-W) system, nutrient modeling study under rice-wheat mungbean system, integrated plant nutrient system (IPNS), SPAD/Leaf Color Chart experiments, long-term rice-wheat monitoring survey and technology adoption work for surface/relay cropping of wheat. The reports were published and submitted to different national and international organizations. The reports and findings were also summarized and written in simple Nepali language and distributed to farmers and extension workers.
- Conducted outreach experiments/demonstrations or preproduction verification trials on different cropping systems, fertility management, fertilizer use on the basis of soil test, varieties and yield performance of wheat under different tillage systems, herbicide use on wheat, crop establishment, integrated plant nutrient management for cabbage, cauliflower and onion and tillage and residue management for rice and wheat crops in farmers fields in Nepal.
- Organized farmer's field days for technology dissemination.
- Initiated collaboration with different international organizations such as Soil management-CRSP, Cornell University, International Rice Research Institute Philippines, International Crop Research Institute for Semi Arid Tropics India, International Wheat and Maize Improvement Center (CIMMYT) Nepal, Fertilizer Advisory Development and Information Network for Asia and Pacific Thailand and Rice-Wheat Consortium India.
- Involved in overall management of rice-wheat project.
- Supervised and guided technicians working in rice-wheat project.

Agriculture Research Station Jumla, Nepal Agricultural Research Council, Nepal

**Chief Officer, 1994-1996**

- Involved in research of soil fertility.
- Involved in overall office management work, administration and program for research station and handled the budget of \$120000 for that period.
- Supervised 7 scientists and 30 technicians including administrative and accounting staff working at the research station.
- Coordinated with different line agencies offices Agriculture Development Offices, Agriculture Development Bank, Agriculture Input Corporation, Co-operatives and other local NGOs.
- Worked with Secondary Crop Development Project (ADB funded) Project.

Agriculture Research Station Jumla, Nepal Agricultural Research Council, Nepal

**Assistant Soil Scientist, 1983-1989**

- Worked with Agriculture Research and Extension Project (World Bank funded) and Secondary Crop Development Project (ADB funded) where I got substantial

- expertise in research, extension, training and visit, and technology adoption activities.
- Conducted outreach experiments/demonstrations or pre-production verification trials on different cropping systems, fertility requirements, varieties and yield performance of wheat, barley, potato, buckwheat, and finger millet, integrated plant nutrient management for apple and other temperate fruits in farmers fields in Nepal.
- Organized farmer's field days.
- Involved in research of soil fertility and agronomical experiments.
- Involved in soil and plant analysis of major nutrients such as nitrogen, phosphorus, potassium, pH, OM and texture.

Integrated Development System, Kathmandu, Nepal

**Surveyor, 1983 (2 months)**

Involved in data collection, coding and analyzing for feasibility study of agricultural marketing infrastructure development in the hills of Nepal.

**AWARDS RECEIVED**

- SM-CRSP/Nepal Fellowship for Ph.D., Cornell University, NY, 2001-to August 2007
- Visitor, International Rice Research Institute, Los Banos, Laguna, Philippines, 2000 (one month)
- Visiting Scientist, International Crop Research Institute for Semi-Arid Tropics, Patancheru, Andhra Pradesh, India, 1999 (3 weeks)
- Canadian International Development Agency (CIDA)/Nepal Fellowship for M.S., Central Luzon State University, Munoz, Philippines, 1989-1992
- Scholarship for B.S. in Agricultural Science, Tribhuvan University, Nepal, 1977-1982

**TRAINING ATTENDED**

- Orientation and Management of Autonomous or Corporate Body Organization, Nepal Agricultural Research Council and Management Association of Nepal, Kathmandu, Nepal, 1995 (2 weeks)
- Development Administration, Nepal Administrative Staff College, Jawalakhel, Kathmandu, Nepal, 1993 (6 weeks)
- The Four-Month Training Course in the Theory and Practice of Soil Fertility and Fertilizer Evaluation for Rice, International Rice Research Institute, Los Banos, Laguna, Philippines, 1987 (16 weeks)
- Agricultural Research Design and Methods, Agricultural Research and Production Project and National Agricultural Research and Service Center, Kathmandu, Nepal, 1986 (1 week)

## **REVIEW MANUSCRIPT FOR**

Journal of Environmental Quality, The Environmentalist, Geoderma, Plant and Soil

## **MEMBERSHIP**

American Society of Agronomy (ASA)  
Crop Science Society of America (CSSA)  
Soil Science Society of America (SSSA)  
Red Cross Society, Nepal  
Society of Agriculture Scientist, Nepal  
Philippines Society of Animal Science

## **TEACHING EXPERIENCE**

- Teaching assistant for Organic Matter in Soils, Sediments, and Waters, taught by Dr. John Duxbury, Spring 2006
- Part-time Trainer, Regional Agricultural Research Station, Parwanipur, Nepal, 1996-2001
- Part-time Trainer, Agriculture Research Station, Jumla, Nepal, 1994-1996
- Part-time Trainer, Agriculture Research Station, Jumla, Nepal, 1984-1989

## **SPECIAL SKILLS**

- Computer: SAS and Minitab Statistical software, Microsoft Office (Word, Excel and Power point), graphic, e-mail and internet programs such as Netscape, Microsoft explorer, Sigma Plot, Adobe, Eudora etc.
- Laboratory Analysis: Soil, Plant, manure and fertilizers, and water analysis (carbon, nitrogen, phosphorus, potassium, sulfur, cation exchange capacity, pH, calcium carbonate, corn stalk nitrate test, Illinois soil nitrate test (ISNT), ammonia-N, nitrate+nitrite-N and ortho-phosphate, Soil texture, Bulk density, Solvita CO<sub>2</sub>)

## **LANGUAGE PROFICIENCY**

- English           Excellent
- Nepali            Excellent
- Maithali         Local language, very good
- Hindi             Excellent

## **PUBLICATIONS**

### **Referred Journals**

Ketterings, Q.M., **S.K. Gami**, R.R. Mathur, and M. Woods. 2014. A simple method for estimating effective cation exchange capacity, cation saturation ratios and sulfur across a wide range of soils. *Soil Science* 179:230-236.

Ketterings, Q.M., G. Godwin, **S. Gami**, K. Dietzel, J. Lawrence, P. Barney, T. Kilcer, M. Stanyard, C. Albers, J.H. Cherney, D. Cherney, K.J. Czymmek. 2012. Soil and tissue testing for sulfur management of alfalfa in New York State. *Soil Science Society of America Journal* 76:298-306.

Ketterings, Q.M., C. Miyamoto, R.R. Mathur, K. Dietzel, and **S. Gami**. 2011. A comparison of soil sulfur extraction methods. *Soil Science Society of America Journal* 75:1578-1583.

**Gami, S.K.**, J.G. Lauren, and J.M. Duxbury. 2009. Soil organic carbon and nitrogen stocks in Nepal long-term soil fertility experiments. *Soil and Tillage Research* 106:95-103.

**Gami, S.K.**, J.G. Lauren, and J.M. Duxbury. 2009. Influence of soil texture and cultivation on carbon and nitrogen levels in soils of the eastern Indo-Gangetic Plains. *Geoderma* 153:304-311.

Shrestha, R.K., J.K. Ladha, and **S.K. Gami**. 2006. Total and organic soil carbon in cropping systems of Nepal. *Nutrient Cycling in Agroecosystems* 75:257-269.

Ladha, J.K., D. Dawe, H. Pathak, A.T. Padre, R.L. Yadav, Bijay Singh, Yadvinder Singh, Y. Singh, P. Singh, A.L. Kundu, R. Sakal, N. Ram, A.P. Regmi, **S.K. Gami**, A.L. Bhandari, R. Amin, C.R. Yadav, E.M. Bhattarai, S. Das, H.P. Aggarwal, R.K. Gupta, and P.R. Hobbs. 2003. How extensive are yield declines in long-term rice-wheat experiments in Asia? *Field Crops Research* 81:159-180.

**Gami, S.K.**, J.K. Ladha, H. Pathak, M.P. Shah, E. Pasuquin, S.P. Pandey, P.R. Hobbs, D. Joshy, and R. Mishra. 2001. Long-term changes in a twenty-year rice-wheat experiment in Nepal. *Biology and Fertility of Soils* 34:73-78.

### **Presentations at Scientific Meetings, Published Abstracts and Papers**

**Gami, S.K.**, Q.M. Ketterings, K.J. Czymmek, and G.S. Godwin. 2016. Evaluation of the impacts of acid whey on soil pH and liquid manure pH. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. January 3-7, 2016. Philadelphia, PA.

Long, E.A., Q.M. Ketterings, **S.K. Gami**, and G. Godwin. 2013. Nitrogen dynamics of cover crops in corn rotations in New York State. Abstract #78339. NEBCSA Annual Meeting 2013. Newark, DE, June 23-26, 2013.

Ketterings, Q.M., E. Hong, K. Orloski, **S.K. Gami**, G. Godwin, and R.R. Mathur. 2013. Late season corn stalk nitrate test: sampling and laboratory analyses. Abstract #78261. NEBCSA Annual Meeting 2013. Newark, DE, June 23-26, 2013.

Ort, S., M. Stanyard, S. Swink, Q.M. Ketterings, G. Godwin, **S.K. Gami**, K.H. Ganoe, and K.J. Czymmek. 2013. Carbon and nitrogen uptake of cover crops seeded after small grains. Abstract #78202. NEBCSA Annual Meeting 2013. Newark, DE, June 23-26, 2013.

Ort, S., Q.M. Ketterings, K.J. Czymmek, G. Godwin, S. Swink, and **S.K. Gami**. 2013. Accumulation of carbon and nitrogen by cereal cover crops seeded after corn silage. Abstract #78151. NEBCSA Annual Meeting 2013. Newark, DE, June 23-26, 2013.

Long, E., Q.M. Ketterings, **S. Gami**, G. Godwin, and K.J. Czymmek. 2012. Nitrogen Dynamics of Cover Crop Incorporation in New York State: Triticale As a Cover and Double Crop On a New York Dairy. Abstract 129-2. ASA/SSSA/CSSA Annual Meeting. Cincinnati, OH. October 21-25, 2012.

Ketterings, Q.M., E. Hung, K. Orloski, **S. Gami**, G. Godwin, and R. Mathur. 2012. Late Season Corn Stalk Nitrate Test: Sampling and Laboratory Analyses. Abstract 155-5. ASA/SSSA/CSSA Annual Meeting. Cincinnati, OH. October 21-25, 2012.

Ketterings Q.M., J.H. Cherney, G. Godwin, **S. Gami**, D. Cherney, and K.J. Czymmek. 2011. Sulfur needs of alfalfa: tools for sulfur management. ASA/SSSA/CSSA meeting, San Antonio, Texas, October 16-19, 2011.

Long, E., Q.M. Ketterings, and **S. Gami**. 2010. Nitrogen dynamics after cover crop incorporation. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. June 27-30, 2010. Ithaca, NY.

Hong, E., Q.M. Ketterings, S. Wharton, K. Orloski, G. Godwin, and **S. Gami** (2010). Effect of sampling protocol on corn stalk nitrate test results. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. June 27-30, 2010. Ithaca, NY.

Williard, J.K., Q.M. Ketterings, **S.K. Gami**. 2010. Nitrogen dynamics following surface-application of enhanced efficiency fertilizers. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. June 27-30, 2010. Ithaca, NY.

**Gami, S.K.**, Q.M. Ketterings, E. Hong, P. Ristow. 2010. Evaluation of nitrogen management of corn using the Illinois Soil Nitrogen Test and Corn Stalk Nitrate Test. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. June 27-30, 2010. Ithaca, NY.

Ketterings, Q.M., J.H. Cherney, G. Godwin, **S. Gami**, D. Cherney, K.J. Czymmek. 2010. Sulfur needs of alfalfa; tools for sulfur management. Northeastern Branch of the Crop, Soil and Agronomy Societies of America. June 27-30, 2010. Ithaca, NY.



Ketterings, Q.M., C. Yuan, **S.K. Gami**, M. Woods, and R. Rao. 2009. A simple method for estimating cation exchange capacity across a wide range of soils. Paper presented in ASSA/CSSA/SSSA Annual Meeting at Pittsburg, November 1-5, 2009.

Chie Miyamoto, C. Yuan, Q.M. Ketterings, R. Rao, K. Dietzel, and **S.K. Gami**. 2009. A comparison of soil sulfur testing methods on NY soil. Paper presented in ASSA/CSSA/SSSA Annual Meeting at Pittsburg, November 1-5, 2009.

**Gami, S.K.**, J.M. Duxbury, and J.G. Lauren. 2007. Carbon decomposition patterns of  $^{13}\text{C}$  labeled rice and wheat roots and shoots under field conditions. Paper presented in ASA/CSSA/SSSA Annual Meeting in New Orleans, November 5-8, 2007.

**Gami, S.K.**, J.M. Duxbury, and J.G. Lauren. 2007. Modeling of carbon dynamics under rice-wheat systems using RothC-26.3. Paper presented in ASA/CSSA/SSSA Annual Meeting in New Orleans, November 5-8, 2007.

**Gami, S.K.**, J.M. Duxbury, and J.G. Lauren. 2006. Influence of soil texture and management practices on soil organic carbon stocks. Paper presented in 18<sup>th</sup> World Congress of Soil Science in Philadelphia, July 9-15, 2006.

**Gami, S.K.**, P. Katak, P.R. Hobbs, J.M. Duxbury, J. Lauren, and A.K. Gautam. 2000. Surface and relay seeding technology adoption of wheat at RARS Parwanipur command area. Paper presented at National Winter Crops Workshop held at Regional Agricultural Research Station, Parwanipur, Bara, Nepal from September 12-14, 2000.

**Gami, S.K.**, J.M. Duxbury, J.G. Lauren and P.R. Hobbs. 2000. Long-term monitoring of rice-wheat farmers field in central terai of Nepal. Paper presented at National Winter Crops Workshop held at Regional Agricultural Research Station, Parwanipur, Bara, Nepal from September 12-14, 2000.

**Gami, S.K.**, J.K. Ladha, and A.P. Regmi. 2000. Evaluation of chlorophyll meter (SPAD) for N management on wheat. Paper presented at National Winter Crops Workshop held at Regional Agricultural Research Station, Parwanipur, Bara, Nepal from September 12-14, 2000.

**Gami, S.K.**, and J.K. Ladha. 2000. Evaluation of chlorophyll meter (SPAD) for N management on irrigated transplanted rice. Paper presented at the 24<sup>th</sup> National Summer Crop Workshop, Agri. Research Center, Lumle, Pokhara, Nepal during March 27-29, 2000.

**Gami, S.K.**, and M.P. Sah. 1998. Long-term soil fertility experiment under rice-wheat cropping system. In Maskey et al. Editors. 1999. Proceedings of first national workshop on long-term soil fertility experiments, Soil Science Division, Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal, page 12-34.

**Gami S.K.**, G.P. Koirala, and N.P. Adhikari. 1997. Report on rice-wheat research at Parwanipur lead center. In Hobbs, P.R. and N.P. Rajbhandari Editors. Proceedings of the

rice-wheat research end-of-project workshop jointly organized and published by Nepal Agricultural Research Council (NARC), International Maize and Wheat Improvement Center (CIMMYT) and Rice-Wheat System Research Consortium, page 78-80.

Shrivastaba, A.C. and **S.K. Gami**. 1997. Report on outreach activities of RARS. Parwanipur 1997/98. Paper presented in national Outreach Research Workshop held in Kathmandu, Nepal from Chitra 4-6, 2054 (March 17-19, 1998).

**Gami, S.K.** 1996. Country paper on appropriate use of fertilizers. Pp. 331-352. In: Proceedings on appropriate use of fertilizers in Asia and the Pacific (Ahmed S. ed.). Asian Productivity Organization, Food and Fertilizer Technology Centre for the Asian and Pacific Region, Taipei, Taiwan.

### **Research and Laboratory Manuals**

**Gami, S.K.**, and R. Rao. 2008. Comprehensive Laboratory Quality Assurance and Quality Control Operating Manual. Prepared for Cornell Nutrient Analysis Laboratory, Department of Crop and Soil Sciences, Ithaca, NY 14853.

**Gami, S.K.**, and R. Rao. 2008. Laboratory Manual for Soil, Plant, Manure, and Water Analysis. Cornell Nutrient Analysis Laboratory, Department of Crop and Soil Sciences, Cornell University, Ithaca, NY 14853, page:1-52.

Bhattarai, S., S.L. Maskey, **S.K. Gami**, and R.K. Shrestha. 2001. Training Manual on Quality Composting. Environmentally friendly integrated plant nutrient management for sustainable agriculture in Nepal. Published by Soil Science Division, Nepal Agriculture Research Council, page 1-93.

Bhattarai, S., S.L. Maskey, **S.K. Gami**, and R.K. Shrestha. 2001. Training Manual on IPNMS. Environmentally friendly integrated plant nutrient management for sustainable agriculture in Nepal. Published by Soil Science Division, Nepal Agriculture Research Council, page 1-90.

Maskey, S.L., S. Bhattarai, R.K. shrestha, and **S.K. Gami**. 2001. Training Manual on “integrated nutrient management for crops”. Prepared for farmers in Nepali language. Published by Soil Science Division, Nepal Agriculture Research Council in Nepali language, page 1-60.

Maskey, S.L., S. Bhattarai, R.K. shrestha, and **S.K. Gami**. 2001. Training Manual on “quality improvement in compost”. Prepared for farmers in Nepali language. Published by Soil Science Division, Nepal Agriculture Research Council in Nepali language, page 1-54.

**Gami, S.K.**, B. Chaudhary, and M.P. Sah. 1997. Rice-Wheat Diagnostic Survey in Rauthat District of Nepal. Published by Nepal Agricultural Research Council (NARC) and Soil Management-Cornell Research Support Program (SM-CRSP), pages 1-39.

## **Extension Publications**

Ketterings, Q.M., K.J. Czymmek, **S.K. Gami**, M. Reuter, and Mike Rutzke. 2017. Stalk nitrate test results for New York corn fields from 2010 through 2016. What's Cropping Up? 27(1):5-6.

Godwin, G., **S.K. Gami**, K. Czymmek, K. Ganoe, and K. Ketterings. 2017. Guidelines for land-application of acid whey. Agronomy Fact Sheet 97. Nutrient Management Spear Program, Department of Animal Science, Cornell University, Ithaca NY. Accessible at <http://nmsp.cals.cornell.edu/guidelines/factsheets.html>.

**Gami, S.K.**, G. Godwin, K. Czymmek, K. Ganoe, and Q. Ketterings. 2016. Acid whey pH and nutrient content. Agronomy Fact Sheet 96. Nutrient Management Spear Program, Department of Animal Science, Cornell University, Ithaca NY. Accessible at <http://nmsp.cals.cornell.edu/guidelines/factsheets.html>.

Ketterings, Q.M., K.J. Czymmek, **S.K. Gami**, M. Reuter, and Mike Rutzke. 2016. Stalk nitrate test results for New York corn fields from 2007 through 2015. What's Cropping Up? 26(1):8

Ketterings, Q.M., K.J. Czymmek, **S.K. Gami**, and M. Reuter. 2015. Stalk nitrate test results for New York corn fields from 2007 through 2014. What's Cropping Up? 25(1):4.

Ort, S.B., Q.M. Ketterings, S.N. Swink, G. Godwin, **S.K. Gami**, and K. Czymmek. 2014. Spring carbon and nitrogen pools of wheat and cereal rye following corn silage. What's Cropping Up? 23(3): 3-4.

Ketterings, Q.M., J. Williard, **S.K. Gami**, and K.J. Czymmek. 2013. Enhanced efficiency fertilizers; Laboratory study. What's Cropping Up? 23(2): 13-15.

Ort, S.B., M. Stanyard, S.N. Swink, Q.M. Ketterings, G. Godwin, **S.K. Gami**, K. Ganoe, and K.J. Czymmek. 2013. Fall carbon and nitrogen uptake of various cover crop mixtures following small grains; fall 2010 and 2011 data. What's Cropping Up? 23(2): 7-9.

Ort, S.B., Q.M. Ketterings, K.J. Czymmek, G.S. Godwin, S.N. Swink, and **S.K. Gami**. 2013. Carbon and nitrogen uptake of cereal cover crops following corn silage. What's Cropping Up? 23(2): 5-6.

Ketterings, Q., E. Hong, G. Godwin, **S.K. Gami**, and K. Czymmek. 2013. Taking a corn stalk nitrate test sample after corn silage harvest. Agronomy Fact Sheet 72. Nutrient Management Spear Program, Department of Animal Science, Cornell University, Ithaca NY. Accessible at <http://nmsp.cals.cornell.edu/guidelines/factsheets.html>.

Ketterings, Q.M., G. Godwin, **S.K. Gami**, K. Dietzel, J. Cherney, and K.J. Czymmek. 2012. Sulfur for alfalfa in New York State. What's Cropping Up? 22(2): 12-16.

Ketterings, Q., K. Czymmek, J. Cherney, **S.K. Gami**, and G. Godwin. 2012. Cornell sulfur test for alfalfa. Agronomy Fact Sheet 66. Nutrient Management Spear Program, Department of Animal Science, Cornell University, Ithaca NY. Accessible at <http://nmsp.cals.cornell.edu/guidelines/factsheets.html>.

Ketterings, Q.M., J. Kingston, S. McIlvennie, E. Long, G. Godwin, **S.K. Gami**, M. Stanyard, and K. J. Czymmek (2011). Cover crop carbon and nitrogen content: Fall of 2010 sampling. What's Cropping Up? 21(3): 1-4.

Hong, E., Q.M Ketterings, G. Godwin, **S.K. Gami**, and S. Wharton. 2010. Effect of sampling height and length on corn stalk nitrate test results. What's Cropping Up? 20(2): 9-11.