

# Ellen T. Pappozzi, PhD

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377 Plant Sciences  
Agronomy and Horticulture Department

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## Education

Cook College, Rutgers University	B.S.	1976 Plant Science- G. H. Cook Scholar-Magna cum laude
Cornell University	M.S.	1978 Floriculture & Ornamental Horticulture
Cornell University	Ph.D.	1981 Floriculture & Ornamental Horticulture

## Professional Experience

Professor of Horticulture, University of Nebraska-Lincoln, started 1981-present.

Present position - 50% teaching 50% research - Graduate Faculty Fellow

Visiting Associate Professor - University of Tennessee, Knoxville - 1989-1990 with Prof. Dr. Peter M. Gresshoff, Racheff Chair of Excellence in Plant Molecular Genetics

Cornell University (as a graduate student) - teaching and research assistantships

Swimming Instructor - New Brunswick YMCA (during undergraduate)

Salesperson-Designer - 1971-76 - holidays and summers Schweinfurth Florist and Greenhouses, Ridgewood, NJ.

## Teaching

### Current class assignments

#### Undergraduate level –

*Horticulture 352* Physiology and Production of Horticultural crops – 2 credits – with Dr. Paul Read

*Horticulture 355* Cut Flower, Bedding, Pot and Perennial Plant Production- 2 credits-

hands-on laboratory with interactive discussions, case studies and cost accounting project

*Horticulture 462* Nursery Crop Production Management - 4 credits- includes >create a nursery business on paper= project with all business components (Income statement, balance sheet, etc.); field trips and guest lectures by former students who are successful business men and women

#### Graduate level -

*Horticulture/Agronomy 824 Plant Nutrition and Management* -3 credits - Distance education course taught in blended learning (resident students in class as well as asynchronous distance (recorded as a movie).

I teach plant growth and development section. Soils section taught by Dr. Blanco and Dr. McCallister

*Horticulture/ NRES/ BioSci 849 Woody Plant Growth and Development* -3 credits

Interactive discussions on woody plants, requires AFRI –USDA, NSF or other competitive grant to be developed over 16 weeks. All are peer reviewed by other professors from Agronomy, horticulture, forestry, plant pathology and biochemistry

### Previous class assignments

*Horticulture/Agronomy 131* Plant Science -3 credits –4 weeks - student-centered learning about mineral nutrition, light, hormones and plant poisons and pleasures

*Horticulture 260* Introduction to Floriculture- 3 credits

*Horticulture 409/809* Horticulture Crop Physiology 4 credits

*Horticulture 950/992* Horticulture Graduate Seminars - 1 credit

*Horticulture 261* Floral Design - 3 credits

*Horticulture 398* Career Experience 3 credits –approx. 16 students

*Horticulture 399* Independent Study 3 credits--12 independent study research projects (2 students entered National ASHS competition and both received 3rd place) including 1 Howard Hughes Medical Fellowship recipient

*Ag Sci 489* Employment Seminar 1 credit

*Ag Sci/NRES 103* Food, Agriculture and Natural Resources Systems 1 credit - Recitation section

Mentor for Mr. David Lambe, MBA - Industry partner/Professional florist and former student. He is currently a colleague and Associate Professor of Practice. He is now the principle teacher for all Engler Program entrepreneurship courses at UNL.

## Advising

### Undergraduate

Advisor – 5-10 undergraduate students each year (1981-current). Students are in the UNL Honors Program; double major in Plant Biology or chemistry and Horticulture or in the science or production options;

Founded and Adviser- *Pi Alpha Xi* - Floriculture, Ornamental and Landscape Horticulture Honor Society 1982-1988, 1990 – current: 385 members to date!

this promotes scholarship and leadership with 2 awards, plus a plaque wall to display national and local scholarship winners and Dean's list;

wreath-making workshop as fund raiser; Co-Coach 1985 Flower Judging Team - placed 10<sup>th</sup>

Advisor – *UNL Hort Club* - 1986-1988

Instructor - 20 undergraduate independent study research projects

### Graduate

Currently, I am advising one resident MS student and 5 horticulture distance certificate students. This past May, plus serving on MS and PhD graduate committees. Over my 38 years at UNL, major professor for **24** Master of Science and Doctor of Philosophy students; graduate committee member for **38** graduate students in the areas of Agronomy, Biological Sciences, Biometry, Education Administration, Forestry, U. S. Forest Service, Chemistry, Horticulture, Human Nutrition, Entomology, Biological Systems Engineering and Agricultural Climatology/Meteorology.

## Publications

As my assignment is both teaching and research, I **publish in both areas**. My teaching record includes 19 journal articles and book reviews; 4 abstracts, 2 copyrights as well as department/miscellaneous publications (see below).

## Teaching Grants

Currently, use all my Fleming Grant monies (\$3000 per year) to bring undergraduate students to my lab so they can experience applied horticultural research. This is usually 2 new students per year.

*Impact* - Eight of 8 students that have worked in the lab and applied for a graduate research assistantships have been successful.

In kind donations for teaching (\$600 per year) for various horticulture classes (keeps student lab fees low)

USDA –HEP Challenge Grant - Developing a World Class Course in Plant Nutrition and Nutrient Management. K Williams, E. T. Paparozzi and S. A. Flores - 1998-2001- \$70,992

*Impact* -a model for other universities as evidenced by 3 invited talks plus teaching publications

## Major Leadership Roles in Teaching at UNL

### Teaching

Founded the Nebraska Alpha-Gamma Chapter of Pi Alpha Xi at UNL in 1982

*Impacts* - recognized 274 faculty and students for excellence in horticulture

- local industry has started to preferentially hire PAX undergraduates

Created Industry partnership for the Floral Design course - 1985 -1999

Expanded floral Design course offerings at UNL and then to Omaha campus (includes creation of a

lecturer position) - 1999

Undergraduate Curriculum development – continuing involvement from creating production, science and business (now entrepreneurship options (upon hiring) to recreating core requirements and many of the courses involved. Currently, chair of horticulture teaching sub-committee to assist department teaching coordinator who is an agronomist.

*Impact* – keep UNL horticulture curriculum is nationally competitive

Dual college undergraduate curriculum – Created one of the few inter-college (College of Arts and Sciences and College of Agricultural Sciences and Natural Resources) degree programs.

The program in Plant biology was projected to have 12 students max. We now have 22-25 and 95% of our graduates have either gone to graduate school or jobs of their choice.

*University Service (selected)*

UNL Chancellors Admissions Criteria Task Force, UNL Admissions Criteria Committee and UNL Standards Implementation Committee - 1987, 1991-92, 1993-94; crafted and was instrumental in getting increased high school Science requirements for the University of Nebraska - Lincoln.

UNL Life Sciences Task Force - 1999-2000. Chair, Sub-Committee on Curriculum Coordination.

UNL Academic Planning Committee - 2002-2003-particularly crucial period fraught with difficult decisions due to one of Nebraska worst periods of budget stress

UNL Graduate Council-elected representative for Agriculture and Biology 2000-2004

UNL Vice Chancellor for Student Affairs Search Committee - 2005

## *Professional Societies - Major Leadership Roles*

American Society for Horticultural Science - member 1976 to present; Currently on the ASHS Endowment committee. Chairperson - Women in Horticulture ad hoc Committee - 1981-1983 until became a Working group; Slide Set coordinator - Nursery Crops Working Group; Co-coordinator, ASHS Colloquium - 'Statistics Update for Horticulturists' for 1987 national meeting in Orlando, Florida. ASHS Committee on Educational Media 1988 -1994; Chair 1989-1994, Co-Author, Careers in Horticulture videotape(1991-1993); Creator ASHS Horticultural Science Theatre, (1993-1995).Graduate Student Committee 1996- 98; Chair, Education Publication Award Committee 2001, 2002; ASHS Endowment Committee 2005- 2008; 2017- Chair 2019, 2020

National Pi Alpha Xi - the horticulture honor society –  
Vice- President 2004-2006; President 2006-2008.

Gamma Sigma Delta - Teaching Awards Committee 1992-1994 Chair, 1994; International Distinguished Scientist in Agriculture Committee 1999-2001 Chair 2000-01 with successful award recipient - Dr. Lowell Moser.

North American Colleges and Teachers of Agriculture -National Conference planning committee - 2002 -  
Chair, Accompanying Partners and Family Activities

Annals of Applied Biology – Board of Editors for Horticulture papers – 2006-2016

## *Research Assignments and Accomplishments*

I have served or am serving as major professor for **22** Master of Science and Doctor of Philosophy students; and graduate committee member for **37** graduate students in Agronomy, Biological Sciences, Biometry, Education Administration, Forestry, U. S. Forest Service, Chemistry, Horticulture, Human Nutrition, Entomology, Biological Systems Engineering and/or Agricultural Climatology/Meteorology.

I have served as the instructor for **21** undergraduate independent study research projects including three recent (2006-2018) UCARE students.

My technologist and I have trained over **60** students from departments across UNL in plant anatomical, nutrient/hydroponics and currently, medicinal plant production and essential oil distillation procedures. Such individual, hands-on, training is crucial for enabling research across a wide variety of allied disciplines and producing our future horticulturists..

My expertise is in physiological plant anatomy, thus, my research has involved exploring the interaction between plant anatomical and physiological phenomena. Additionally I have a very strong background and continue to work in biological statistics. Thus, my publications are very multi-disciplinary in nature, involving different crops, departments and students.

*Example of Impact* - My program area of emphasis has been in plant nutrition - specifically - sulfur deficiency in plants, understanding sulfur's interaction with nitrogen and using that knowledge to show that nitrogen fertilizer applications to plants can be reduced by as much as 50% when sulfur is present in the proper concentration. This work provided the research justification for the commercial sulfur-based fertilizers – Fison's Champion series.

#### *National and International Horticulture Research Visibility -*

UNL cannot be visible if faculty do not attend national and international meetings. I have attended and presented at least one research or teaching paper, poster or workshop *every year from 1976 to present*, including the 1986 International Horticultural Congress in California, the ISHS meetings in Firenze, Italy 1990, ISHS International Symposium on Growing Media and Hydroponics 1997, Windsor, Canada and the 2002 ISHS meetings in Toronto (Invited speaker). Also participate annually the National Floriculture Forum – a group of industry and educational professional that meet to discuss education and take tours of state-of-the art commercial facilities. Much of this was at my personal expense (approx \$35,000 over my 27 years at UNL). Invited speaker -Horticulture research center Agadir, Morocco in 1986.

### *Research publications*

My research record includes 63 journal articles; plus 15 book chapters and proceedings (refereed) articles; 87 abstracts, 1 plant patent plus 27 trade magazine/department/miscellaneous publications/creative works (see attached).

### *Grants*

Nebraska Department of Agriculture/USDA – Winter Greenhouse Production of Medicinal Herbs – E. T. Papanozzi and G. E. Meyer 2015-2018-\$55,652

National Sustainable Agriculture Program: Sustainable Strawberry Initiative - Winter Production of Nebraska Strawberries: An Idea Whose Time Has Come. E. T. Papanozzi, R. Pekarek, D. P. Lambe, S. A. Adams, G. E. Meyer, E. E. Blankenship and P. E. Read. 2013-2014 - \$110,160.

Nebraska Department of Agriculture/USDA –Greenhouse Strawberry Production in Nebraska— E. Papanozzi, G. Meyer, S. Adams, P. Read, D. Lambe 2012-2013 -\$12,650

UNL UCARE – Leaf re-greening after macro-element deficiency – E. T. Papanozzi and Sarah Blecha, junior undergraduate horticulture major – 2012-2014 \$4400

Nebraska Department of Agriculture/USDA –Farmer's Alternate Crop- Winter Production of Greenhouse Strawberries — E. Papanozzi, V. Schlegel, G. Meyer, S. Adams, P. Read, D. Lambe – 2011-2012 - \$38,456

UNL Agronomy and Horticulture Department – Light and Stereo microscopes for instructor and student use – 2012 - \$9937

UNL UCARE – Winter strawberry production in Nebraska – E. T. Papanozzi and Han Do – senior undergraduate horticulture major – 2011-2012 - \$2400

Nebraska Department of Agriculture/USDA –Farmer's Alternative - Winter Strawberry Production in Nebraska — E. Papanozzi, V. Schlegel, G. Meyer, S. Adams, P. Read, D. Lambe – 2010-2011 - \$17,875

UNL Fleming Horticulture Research Grant – The Effect of Gibberellic Acid on Seed Germination of *Spinacea oleracea* cv. ‘Emu’ & ‘Renegade’ under Conducive and Inhibitory Temperature Regimes. E. T. Paparozzi and Elias Bloom , senior undergraduate horticulture major– 2010-2011 - \$3300

UNL UCARE – Winter strawberry production in Nebraska – E. T. Paparozzi and Han Do – junior undergraduate horticulture major – 2010-2011 - \$2000

Nebraska Department of Agriculture/USDA –Winter Strawberry Production in Nebraska  
- E. Paparozzi, V. Schlegel, G. Meyer, S. Adams, P. Read, D. Lambe – 2009-2011 \$35,530

UNL Fleming Horticulture Research Grant – The role of cytokinins in leaf re-greening. E. T. Paparozzi, R. Vankova (Czech Republic) and A. Roy (statistics) – 2009-2010 - \$3300

CSREES Enhancing Tribal Economic, Cultural, and Environmental Benefits with Conservation Plantings  
Henry Miller, David Shelton, Ellen Paparozzi and Erin Blankenship -2008-2011, \$52,535

UNL UCARE – Do Leaves of other *Plectranthus* spp. re-green? E. T. Paparozzi and Michael Fallon  
undergraduate horticulture major – 2008-2009 - \$2000

CAPES - Coordenacao de Aperficomamento de Pessoal de Neil Superior Ministerio de Educacao.  
Increasing Knowledge about *Penstemon digitalis*: A potential new cut flower for Brazil - -- Anderson Mello (PhD student), N. Streck, E. Paparozzi, Rogerio Belle and Sidinei Lopes 2006-2007, \$18,000.

UNL UCARE Research Grant - Role of Carbohydrates in Leaf Re-greening – E. T. Paparozzi and  
undergraduate horticulture student Kevin Korus - 2006-2008 - \$4400

National Foliage Foundation– E. T. Paparozzi - Is Swedish Ivy the Eternal Plant? 2005, 2006- \$6000

ARD Inter-disciplinary Research Award. Innovative design and analysis of agricultural experiments to  
characterize response to several quantitative treatment factors. Ellen T. Paparozzi and Walter W. Stroup,  
1999-2000. \$20,000

UNL UCARE Research Grants – \$12, 800 – to support the research of four undergraduate students - 2000-  
2009

## *Honors and Awards*

Pi Alpha Xi, the national society for horticultural science – Fellow 2019

American Society for Horticultural Science – Fellow 2014

American Society for Horticultural Science – Outstanding Education Publication 2009

Gamma Sigma Delta – Outstanding Teaching Award – 2004

President’s Citation - Pi Alpha Xi and Horticulture Club- 2002 -Undergraduate students select an individual  
that has given exemplary service to Horticulture at UNL

National Association of Colleges and Teachers of Agriculture – Teacher Fellow 1997.

YWCA Tribute to Women - 1994 - selected in the Science and Technology category

Gamma Sigma Delta - 1991 - Agricultural Honor Society

Recognized as one of 30 outstanding faculty at the University of Nebraska and featured in the University of  
Nebraska Foundation Report 1988-89

Selected by the Nebraska Advisory Council for Horticulture (members are representatives of each  
horticultural industry in the state) as their first Faculty Member of the Season -1989

Listed in Who's Who of Emerging Leaders – 1989

Listed in Who's Who in the Midwest 1988

Listed in Who's Who International Business and Professional Women 1989  
Listed in Outstanding Young Women in America 1981  
Sigma Xi - The Scientific Research Society - full member 1980 on  
Finalist - Sigma Delta Epsilon Award for Excellence in Graduate Student Research - 1980  
Cornell University - Outstanding Teaching Assistant Award - 1979  
Cornell University Summer Fellowship - 1977  
Alpha Zeta - agricultural honor and service fraternity - 1975 on  
George H. Cook Scholar 1975-76  
Maplewood Garden Club Scholarship 1975, 1976  
Pi Alpha Xi - Zeta Chapter (Rutgers) horticulture honor society - President 1975, 76

## *Extension and Outreach Accomplishments*

### ***Recent Extension Publications***

Adams, S. A. and E. T. Paparozzi. 2014. Constructing a block and fence growing bench for use with a capillary mat irrigation system for greenhouse plant production. UNL Extension Publication EC 303 12 pp.

Lambe, D., S. A. Adams and E. T. Paparozzi. 2012. Estimating construction costs for a low-cost Quonset-style Greenhouse. UNL Extension Publication EC 104. 8 pp.

### ***Horticultural plant trials***

Geranium and Impatiens Cultivar Evaluation trials for Fischer, Ball FloralPlant and Oglevee - 1998-2008 - last year had over 210 varieties in these trials - for a total of \$18,000 grant dollars  
*Impact* - visible to horticulture industry as the site for selection of drought-tolerant cultivars

### ***Invited talks***

Nebraska Florists' Society Meetings - Speaker and/or participant 1981 through 1987  
NeMoKan (Nebraska, Missouri and Kansas Florists) speaker - 1982, 1983  
Forest Products Lab, Madison, Wisconsin - 1982, on acid rain.  
American Chemical Society - Environmental Chemistry Division - 1982, on acid rain.  
American Chemical Society - Section on Materials Degradation - 1985. Topic: Acid rain effects on woody plants.  
Kansas State University Horticulture Department - 1988. Topic: "Investigations on the role of sulfur in ornamental crop production".  
Tennessee Flower Growers Assn. 1990 Annual Meeting. Topic: Is sulfur really an essential plant nutrient?  
Expanding Your Horizons in Mathematics and Science Nebraska Wesleyan University - 1995 - keynote speaker - 900 junior and high school girls (300 per time) Topic : The Power of Plants.  
Panel member and Science Lab Presenter - 1991, 1994, 1998 - for 7th, 8th and 9th grade girls - WISE - Women in Science and Engineering - presentations to high school girls. Topic - Horticulture and Food. 1992- 1998  
ASHS Annual Meeting 1994. Invited Speaker. Mineral Nutrition Workshop Topic: Reducing nitrogen fertilizer applications by balancing the nitrogen sulfur ratio.  
SunGro Corporation in Mount Holly, New Jersey, 1994. Topic: Less is more when using nitrogen sulfur fertilizers.  
Beatrice Rose Society - 1994 - Commercial rose growing  
Greater St. Louis, Missouri, Flower Growers Association - 1995 - Using less fertilizer.  
Nebraska Nursery and Landscape Association - Annual meeting speaker and/or participant 1988, 1992 (Winter and Summer meeting), 1994, 1995, 1997, 2005  
Festival of Color - 1995-1998 - Tent talks/demonstrations on current trends in floral design  
Nebraska and Iowa Florists and Growers Seminar. 1999. How complete does your fertilizer solution need to be?  
Nebraska Association of the Gifted - 2000- Invited Speaker - Topic: From one GT to another with Love.  
OLLI Life Long learning Series - 2006 - Topic: The 10-Minute Gardener

## *Professional Societies (additional)*

American Association for Advancement of Science - 1985 on  
Botanical Society of America - 1979 on  
International Society for Horticultural Science  
National Association of College Teachers of Agriculture  
Nebraska Academy of Sciences - 1983 on  
    Program Committee and Section Chairperson 1984-1987  
Nebraska Graduate Women in Science - 1982 on  
    President - 1982 to 1985  
    Section Chairperson for paper sessions of Graduate Women in Science held as Nebraska Academy of  
    Science Meeting 1984-1987  
Nebraska Statewide Arboretum - 1982 on  
Pi Alpha Xi - National - President 2006-2008; Vice President 2004-2006;  
    Membership and Publications Committee 1993-95  
Sigma Delta Epsilon - National Graduate Women in Science -1981 on  
    Chair, Chapter Establishment Committee - 1987-89  
Sigma Xi - Full member 1980 on, Membership coordinator 007 chapter  
    1994-96 -Helped initiate first Annual Science Student Conference for Graduate  
    Students 1995  
Society of American Florists - 1991 on  
UNL Garden Friends - 1985 pn

## *Community Service*

Junior League of Lincoln - as Active member - Mini-course developer/presenter for female teens at Unity Home, YWCA grant writer for Survival Skills Program and thrift shop assistant (sales, marking clothes etc.) Currently, sustaining member.  
Landscape committee - Villa Regina Motherhouse, Marian Sister=s Convent and St. Joseph=s Church - Consultant and member - advised 3 boy scouts on their Eagle scout project involving planning, site analysis and installation of 3 new portions of St. Joseph=s landscape. Renovation of grotto at the Motherhouse  
St. Joseph=s School - judge Middle School Science Fair; yearly presentation on some aspect of horticulture e.g. floral initiation and formation, bulb growth and development.  
Member, St. Joseph=s Church Family Choir

## *Scholarly Publications*

### *Teaching*

#### *Journal Articles (8):*

1. Paparozzi, E.T. and R. E. Tripepi. 1992. Reviewing non-print media for use in horticulture. HortTechnology 2(2):285-286.
2. Perry, L.P., L.B. Stack and E.T. Paparozzi. 1993. Careers in Horticulture Video -- The Process. Acta horticulturae 350:53-57.
3. Paparozzi, E.T. and D.P. Lambe. 1994. Designing Success: teaching floral design through an industry partnership. HortTechnology. 4(1):76-77.
4. Paparozzi, E. T. and K. A. Williams. 2000. Using chat rooms in a plant nutrition course: bane or boon? HortTechnology 10 (2): 280-282.

5. Williams, K. A. and E. T. Paparozzi. 2002. Model to develop a synchronous, inter-institutional course using distance technologies. *NACTA Journal* 46:28-33.
6. Spaw, M., K. Williams, I. Mallberg, L. Hodges and E. T. Paparozzi. 2008. Bleeding hearts turn yellow: A case study to determine the cause of chlorosis in a crop of cut *Dicentra spectabilis*. *HortTechnology* 18:1-10. *Received the ASHS Education Publication Award.*
7. Paparozzi, E. T., Mattson, N., Grossman, M., Burnett, S., Lopez, R. 2013. Creative thinking, creative funding: Research, extension and teaching programs and consortiums - The 2013 National Floriculture Forum. *HortTechnology* 23(6):794-795.
8. Paparozzi, E. T., B. Hitt and D. Lambe. 2019. The readiness report: How confident are your graduating seniors? *NACTA* 63(2):360-367.

*Teaching Abstracts:*

- 1 Paparozzi, E. T. and R. E. Tripepi. 1991. Non-print media for horticulture. *HortScience* 26:180.
2. Perry, L. P., L. B. Stack and E. T. Paparozzi. 1992. Careers in horticulture -- the Process. *International Society for Horticultural Science Proceedings.*
3. Williams, K. A., E. T. Paparozzi and J. Maranville. 1999. Using distance technology: Inter-institutional development and delivery of a course in plant nutrition. *HortScience* 34(3):519.
4. \_\_\_\_\_ . 2000. Creating a synchronous course between universities using distance technology. *HortScience* 35(3):465.

## *Research*

*Journal Articles (56):*

1. Paparozzi, E. T. and H. B. Tukey, Jr. 1979. Foliar uptake of nutrients by selected ornamental plants. *J. Amer. Soc. Hort. Sci.* 104(6):843-846.
2. \_\_\_\_\_ . 1983. Developmental and Anatomical Changes in Leaves of Yellow Birch and Red Kidney Bean Exposed to Simulated Acid Precipitation. *J. Amer. Soc. Hort. Sci.* 108(6):890-898.
3. Paparozzi, E.T. and M. Lamberts. 1984. Anti-nepotism: An obstacle for career- bound couples. *HortScience* 19:483-484.
4. Hatterman, H. M., P. J. Shea and E. T. Paparozzi. 1987. Weed control in annual static. *J. Weed Science* 35:373-377.
5. Paparozzi, E. T. 1987. Formal Networks for Women Professionals. *HortScience* 22:195.
6. \_\_\_\_\_ and H. M. Hatterman. 1988. Fertilizer applications on field grown static. *HortScience* 23:157-160.
7. \_\_\_\_\_ and D. E. McCallister. 1988. Glycerol and microwave preservation of annual static. *Scientia Horticulturae* 34:293-299.
8. \_\_\_\_\_ and M. Hanson. 1988. Air diffuser for decreasing plant sample digestion time. *HortScience* 23:914.
9. Stroup, W. W. and E. T. Paparozzi. 1989. Statistics update for horticulturists. *HortScience* 24:36-37, 58-



10. Dale, M. E., E. T. Papanozzi and J. D. Carr. 1990. Sulfur deficiency in poinsettia. *HortScience* 25:424-426.
11. \_\_\_\_\_ and W. W. Stroup. 1991. Nitrogen sulfur interaction in poinsettia. *J. Plant Nutrition* 14(9):939-952.
12. Caetano-Anolles, G., E. T. Papanozzi, and P. M. Gresshoff. 1991. Role of root and nodule meristems in soybean nodulation. *J. Plant Physiol.* 137:389-396.
13. Troyer, W.W., G.E. Meyer, J.B. Fitzgerald and E.T. Papanozzi. 1992. Leaf nitrogen analysis of poinsettia (*Euphorbia pulcherrima Willd.*) using spectral properties in natural and controlled lighting. *Transactions ASAE* 8(5):715-722.
14. Widrechner, M. P., E. R. Hasselkus, D. E. Herman, J. K. Iles, J. C. Pair, E. T. Papanozzi, and R. E. Schutzki. 1992. Performance of landscape plants from Yugoslavia in the North Central United States. *J. Environ. Hort.* 10(4):192-198.
15. Papanozzi, E.T. and R. E. Tripepi. 1992. Reviewing non-print media for use in horticulture. *HortTechnology* 2(2):285-286.
16. Papanozzi, E.T. 1993. Concetta rose. *HortScience* 28(2):162.
17. Perry, L.P., L.B. Stack and E.T. Papanozzi. 1993. Careers in Horticulture Video -- The Process. *Acta horticultrae* 350:53-57.
18. Gardner, J.C., J. Maranville and E.T. Papanozzi. 1994. Nitrogen use efficiency among diverse sorghum cultivars. *Crop Science* 34(3):728-734.
19. Papanozzi, E.T., P. Darrow, D.E. McCallister and W. W. Stroup. 1994. The effect of varying the nitrogen sulfur ratio on flowering in poinsettias. *J. Plant Nutrition* Vol. 17(4):593-606.
20. Larkin, J.C., D.G. Oppenheimer, A.M. Lloyd, E.T. Papanozzi and M.D. Marks. 1994. Roles of the GLABROUS1 and TRANSPARENT GLABRA genes in Arabidopsis trichome development. *Plant Cell* 6:1065-1076.
21. Papanozzi, E.T. and D.P. Lambe. 1994. Designing Success: teaching floral design through an industry partnership. *HortTechnology*. 4(1):76-77.
22. Conley, M.E., E.T. Papanozzi, J. C. Pair and W. W. Stroup. 1995. Leaf tatter in *Acer saccharum*. *International Journal of Plant Science* 156(3):303-310.
23. Huang, L, E. T. Papanozzi and C. Gotway. 1997. The effect of altering nitrogen and sulfur supply on the growth of cut chrysanthemums. *J. Amer. Soc. Hort. Sci.* 122:559-564.
24. Stroup, W. W., S. A. Adams, and E. T. Papanozzi. 1998. Statistical design and analysis of producer/consumer evaluations to assess plant quality. *HortScience* 33(2):1-5.
25. Adams, S. A., E. T. Papanozzi and W. W. Stroup. 1998. Determining poinsettia nitrogen and sulfur fertilizer application rates based on chromometer and sensory panel ratings. *HortTechnology* 8(2):199-203.
26. Papanozzi, E. T. 1999. Nitrogen and sulfur interaction in floricultural crops. *Acta horticultrae* 481:379-

27. Rodie, S. N. and E. T. Paparozzi. 1999. Public perceptions of landscape design: Considerations as a nursery industry service and quality-of-life enhancement factor. *Journal of Environmental Horticulture* 17(1):18-24.
28. Cuppett, S. L., M. McVey-McCluskey, E. T. Paparozzi and A. Parkhurst. 1999. Nitrogen and sulfur effects on leaf lettuce quality. *Journal of Food Quality* 22:363-373.
29. Paparozzi, E. T. and K. A. Williams. 2000. Using chat rooms in a plant nutrition course: bane or boon? *HortTechnology* 10 (2): 280-282.
30. Macz, O., E. T. Paparozzi and W. W. Stroup. 2001. The Effect of nitrogen and sulfur applications on pot chrysanthemum production and post-harvest performance. I. Leaf nitrogen and sulfur concentrations. *J. Plant Nutrition* 24:111-130.
31. Macz, O., E. T. Paparozzi, W. W. Stroup, R. Leonard and T. A. Nell. 2001. The Effect of nitrogen and sulfur applications on pot chrysanthemum production and post-harvest performance .II. Plant growth responses. *J. Plant Nutrition* 24:131-146.
32. Ergun, M., E. T. Paparozzi, D. P. Coyne, D. Smith, S. Kachman and D. Nuland. 2001. Testing the effects of moisture on seed coat color of pinto dry beans. *HortScience* 36:302-304.
33. Conley, M. E. , E. T. Paparozzi and W. W. Stroup. 2002. Leaf anatomical and nutrient concentration responses to nitrogen and sulfur applications in poinsettia. *J. Plant Nutrition* 25(8):1773-1791.
34. Moreno-Sotomayor, A., A. Weiss, E. T. Paparozzi and T. J. Arkebauer. 2002. Leaf anatomy and light response curves of field grown maize as a function of age and nitrogen status. *J. Plant Physiology* 159(8):819-826.
35. Williams, K. A. and E. T. Paparozzi. 2002. Model to develop a synchronous, inter-institutional course using distance technologies. *NACTA Journal* 46:28-33.
36. Paparozzi, E. T. 2003. Nutrition of floricultural crops: How far have we come? *HortScience* 38(5):1031-1035.
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Copyright - Paparozzi, E. T. and D. D. Delaney. Practicing Fertilizer and Active Ingredient Problems. This is a set of 4 original computer programs for use on Apple 2e/2c. Copyright applied for 10/85. Copyright registered 7/86.

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Temporary Greenhouse/Heated high Tunnel Construction. 2014. Script written by E. T. Paparozzi, A. Butterfield and S. A. Adams. Videography by Mike Kamm, Ellen Paparozzi and Katie Pekarek. 4:27 minutes

Capillary Mat Construction for High Tunnel or Greenhouse Benches. 2014. Script written by .E. T. Paparozzi, A. Butterfield and S. A. Adams. Videography by Mike Kamm, Ellen Paparozzi and Katie Pekarek. 3:11 minutes

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