

## CURRICULUM VITAE

**Name:** Chiwon W. Lee

### Addresses

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### Education

Ph.D. in plant genetics and breeding (minor in plant physiology), Department of Horticulture, Purdue University, West Lafayette, Indiana 47907 (1977)  
M.S. in plant genetics and breeding, Department of Horticulture, Purdue University, West Lafayette, Indiana 47907 (1974)  
B.S. in horticulture, Department of Horticulture, Kon-Kuk University, Seoul, South Korea (1971)

### Positions Held

Professor, Department of Plant Sciences, North Dakota State University (2002-)  
Associate Professor, Department of Plant Sciences, North Dakota State University (1991-2002)  
Extension Specialist/Associate Professor, Department of Horticulture, Colorado State University (1985-1991)  
Assistant Professor, Department of Plant Sciences, University of Arizona (1977-1985)  
Research Associate, Department of Horticulture, Purdue University (1977)  
Research Assistant, Department of Horticulture, Purdue University (1972-1977)

### Research Experience

- Photosynthate translocation and partitioning in cucurbit plants
- Enrichment of greenhouse vegetables with calcium (Ca), iron (Fe) and selenium (Se)
- Influence of calcium nutrition on membrane integrity and storage quality of vegetables
- Hydroponic production of greenhouse vegetables
- Use of effective microorganisms (EM) in organic crop production
- Production and marketing of vegetable crops adapted to North Dakota growing conditions
- Micronutrient toxicity in ornamental plants and turfgrasses
- Modification of sucrose metabolism in carrot by antisense gene regulation
- Production and improvement of confectionery seed pumpkins
- Control of plant nutrients for greenhouse crops
- Genetic transformation of *Salpiglossis* and Kentucky bluegrass with rolC gene
- Propagation and culture of native orchids (*Cypripedium*, *Platanthera*)
- Elimination of virus diseases by meristem culture in vegetatively propagated plants
- Drought tolerance in ornamental ground covers
- Integrated pest management (IPM) for greenhouse crops
- Calculation of greenhouse heating requirements and costs
- Culture and improvement of *Euphobia*, *Asclepias*, and *Calotropis* species as sources of hydrocarbon bio-fuel
- Germination salt tolerance in turfgrasses
- Domestication and breeding of new crops for arid regions (jojoba, halophytes, grain amaranth)

- Plant cell and tissue culture
- Genetics and physiology of cleistogamy in *Salpiglossis sinuata*
- Inheritance of bitter principle in cucurbits
- Chemical modification of flower sex expression in muskmelon

### **Extension Work**

Greenhouse crop extension specialist for 6 years at Colorado State University; organized and provided numerous workshops and seminars on the production of floricultural crops for the greenhouse industry in Colorado; served on many different industry education and research committees; organized national conferences on rockwool growing media; initiated the CSU annual flower trial garden program; advised vegetable and flower growers in North Dakota and northwestern region of Minnesota.

### **Teaching Experience**

- PLSC 210- Horticulture Science, 3 cr., NDSU, 1991-2007  
(<http://www.ndsu.nodak.edu/instruct/chlee/plsc210/>)
- PLSC 211- Horticulture Science Lab, 1 cr., NDSU, 1991-2007  
(<http://www.ndsu.nodak.edu/instruct/chlee/plsc211/>)
- PLSC 368- Plant Propagation, 3 cr., NDSU, 1991-2007  
(<http://www.ndsu.nodak.edu/instruct/chlee/plsc368/>)
- PLSC 422- Greenhouse Production and Management, 3 cr., NDSU, 1991-2007  
(<http://www.ndsu.nodak.edu/instruct/chlee/plsc422/>)
- PLSC 498/790- Horticulture Seminar, 1 cr., NDSU, 1992-2000
- PLSC 790- Plant Science Graduate Seminar, 1 cr., NDSU, 1998-1999
- Hort 348 - Turfgrass Management, 3r., NDSU, 1991-1995
- Hort 489/689- Breeding Horticultural Crops, 2 cr., NDSU, 1991-1994
- Hort 360- Horticultural Food Crops, 4 cr., NDSU, 1991-1995
- Hort 311- Plants for Interiors, 3 cr., Colorado State University, 1985-1990
- PLS 339- Greenhouse Management, 3 cr., University of Arizona, 1978-1985
- PLS 211- Environmental Horticulture Travel Study, 2 cr., University of Arizona, 1978
- PLS 342- Principles and Practices in Floriculture, 3 cr., University of Arizona, 1978-1985
- Hort 201- Plant Propagation Lab (as teaching assistant), Purdue University, 1974-1975

### **Grants**

Received as a principal or co-principal investigator a total grant support of \$2 million from USDA, industry, private foundations, grower organizations, and other funding sources for the last 20 years.

### **Professional Services**

- Organizer of workshop "Use of Herbaceous Grafting in Horticulture" for ASHS annual conference (Austin, TX, July, 2004)
- Served as Chairman of the ASHS Ornamental Plant Breeding Working Group (2002-2004)
- Organizer of workshop "Clonal Propagation of Grand Champion Trees" for ASHS annual conference (Providence, RI, October, 2003)
- Organizer of workshop "Ornamental Plant Breeding in the Midwest" for ASHS annual conference (Minneapolis, MN, July, 1999)

- Served as Chairman of the ASHS Ornamental Plant Breeding Working Group (1998-99)
- Conference Speaker for the 1999 National Hydroponics Conference, Orlando (1999)
- Conference Speaker for Southern Greenhouse Vegetable Growers Association (1999)
- Served as Associate Editor of HortScience (1996-99)
- Founded the Northern Plains Botanic Garden Society (1998)
- Served on the ASHS Nominations and Elections Committee (1997-1999)
- Served on the Publications Committee, ASHS (1997-2000)
- Faculty Advisor for the Horticulture and Forestry Club, NDSU, 1991-1999
- Served as a member of the University Senate, NDSU, 1994-1995, 1997-2000
- Conference Speaker for the 1995 International Conference of the Golf Course Superintendents Association of America (San Francisco, 1995)
- Chairman of the ASHS Plant Biotechnology Working Group (1992-94)
- Served on the Editorial Board of the Journal of Korean Plant Tissue Culture Association (1991-94)
- Invited Speaker for the 1987 International Conference on Jojoba, American Oil Chemists' Society (Phoenix, 1987)
- Conference Speaker for the meeting of Korean Federation of Science and Technology Societies (Seoul, 1986)
- Faculty Advisor for the Korean Student Association, North Dakota State University (1992-1999), University of Arizona (1978-1985)
- Graduate committee member for 32 MS and 12 PhD students (1978-97); served as faculty advisor for 4 student organizations (1979-97)
- Chairman, Agriculture Science Section for American Association for the Advancement of science (AAAS) Southwestern and Rocky Mountain (SWARM) Division (1985-1986)

### **Consulting Experience**

- Consultant for greenhouse crop production, SenreQ, Oakbrook, Il, 2003-2004
- Consultant for hydroponic crop production, Cayman Island, 1986-1987
- Consultant for jojoba plantation establishment, Arizona, 1980-1984
- Consultant for commercial production of flower crops, Colorado, 1985-1990

### **Professional Memberships**

American Society for Horticultural Science; International Society for Horticultural Science; Society for In Vitro Biology; International Society for Plant Molecular Biology; North Central Turf Grass Association; North Dakota State Horticulture Society

### **Honors**

Member of Phi Kappa Phi, Sigma Xi, Pi Alpha Xi, Gamma Sigma Delta; Chairman, ASHS Propagation Working Group (2002-2004); Janet and Roald Lund Excellence-in-Teaching Award, College of Agriculture, North Dakota State University (2004); President, Northern Plains Botanic Garden Society (1998-2002), Associate Editor, HortScience (1996-99); Who's Who in American Educators (1998); Chairman, ASHS Biotechnology Working Group (1993-1994); Outstanding Organizational Advisor Award, North Dakota State University Mortar Board (1996); National Advisor, ASHS-Association of Collegiate Branch Clubs (ACB) (1995-1996); Excellence-in-Teaching Career Award, College of Agriculture, North Dakota State University (1995); President, Arizona Chapter, Korean Scientists and

Engineers Association in America (KSEA) (1983-1984); Chairman, AAAS SWARM Agriculture Division (1985-1986); David Ross Fellow, Purdue University (1972-1977); Board of Trustees Award (highest honor in graduating class), Kon-Kuk University (1971).

## Publications

### A. Refereed Journal Articles

- Pak, C.H., S.W. Kang, J.N. Suh, and C.W. Lee. 2007. Capillary wick size and irrigation water level affect growth of chrysanthemum and poinsettia cultured in C-channel system. *J. Plant Nutrition* (in review).
- Cho, K., J. Hong, I.S. So, and C.W. Lee. 2007. Sodium hypochlorite and ethephon improve the germination of *Echinacea angustifolia* seeds. *HortScience* (in review)
- Lee, S.G. and C.W. Lee. 2006. Position of source leaf affects translocation and distribution of C<sup>14</sup> photo-assimilates in tomato. *J. Bio-Environ. Contr.* 15(2):1-4.
- Lee, S.G., K.D. Ko, and C.W. Lee. 2005. Interaction of source-sink relationship for translocation and distribution of C<sup>14</sup> carbohydrates in watermelon (*Citrullus vulgaris*). *J. Kor. Soc. Hort. Sci.* 46(5):300-304.
- Cho, K.H., I.S. So, C.W. Lee and D.E. Herman. 2004. Effect of quick dip in high concentrations of auxin on the rooting of Ivory Halo Dogwood (*Cornus alba* 'Baihalo') and Purple-leaf Sand Cherry (*Prunus x cistena*). *J. Kor. Flower Res. Soc.* 12(2): 95-100.
- Jeong, B.R. and C.W. Lee. 2004. Solution pH and ion uptake as affected by nitrogen source and Cl<sup>-</sup> in hydroponic culture of ageratum and salvia. *J. Kor. Soc. Hort. Sci.* 45(2):93-102.
- So, I.S., H. Kang, K.H. Cho and C.W. Lee. 2003. Production of cyclamen using capillary wick system: I. Influence of wick material and root substrate composition. *J. Kor. Flower Res. Soc.* 11(2): 199-206.
- Ramsay, J.L., D.S. Galitz, and C.W. Lee. 2003. Regeneration of Easter lily (*Lilium longiflorum* L.) through ovary tissue cultures. *HortScience* 37:404-406.
- So, I.S., K.H. Cho and C.W. Lee. 2003. In vitro flowering in *Cymbidium goeringii* as affected by putative flower induction treatment. *J. Kor. Flower Res. Soc.* 11(2): 191-198.
- Greenland, R.G., C.W. Lee, E.T. Holm, and L.E. Besemann. 2000. Cabbage hybrid trials in North Dakota. *HortTechnology*. 10 (4):806-811.
- Lee, C.W. 1999. Laboratory exercise on the segregation of flower color and related genes using velvet flower (*Salpiglossis sinuata*). *HortTechnology* 9(4):589-593.
- Kang, H. and C.W. Lee. 1999. Influence of NaCl on seed germination of selected cool-season turfgrass species. *Korean J. Turf. Sci.* 13:71-78.

- Lee, C.W., C.H. Pak, and J.M. Choi. 1996. Micronutrient toxicity in seed geranium *Pelargonium hortorum* Bailey. J. Amer. Soc. Hort. Sci. 121 (1): 77-82.
- Jeong, B.R. and C.W. Lee. 1996. Influence of ammonium, nitrate, and chloride on solution pH and ion uptake by ageratum and salvia in hydroponic culture. J. Plant Nutrition 19:1343-1360.
- Lee, C.W., M.B. Jackson, M.E. Duysen, T.P. Freeman, and J.R. Self. 1996. Induced micronutrient toxicity in Kentucky bluegrass. Crop Science 36:705-712.
- Choi, J.M., C.H. Pak, and C.W. Lee. 1996. Micronutrient toxicity in French marigold (*Tagetes patula* L.). J. Plant Nutrition 19(6):901-916.
- Ke, S. and C.W. Lee. 1996. Plant regeneration in Kentucky bluegrass (*Poa pratensis* L.) via coleoptile tissue cultures. Plant Cell Reports 15:882-887.
- Jackson, M.B., C.W. Lee, Matthew A. Schumacker, M.E. Duysen, J.R. Self, and R.C. Smith. 1995. Induced micronutrient toxicity symptoms in buffalograss *Buchloe dactyloides*. J. Plant Nutrition 18(6):1337-1349.
- Choi, J.M. and C.W. Lee. 1995. Effects of irrigation methods, nutrient concentrations, and media on salt accumulation in media and growth and flowering of Easter lilies. J. Kor. Soc. Hort. Sci. 36(5):715-724.
- Thompson, A.E., C.W. Lee, and R.E. Gast. 1995. Development of hybrid *Baccharis* plants for desert landscaping. HortScience 30:1357-1362.
- Lee, C.W., J.T. Nichols, L. Wang, and S. Ke. 1994. Plant regeneration in *Coreopsis lanceolata* L. from leaf tissue cultures. HortScience 29 (11):1353-1354.
- Lee, C.W., C.H. Pak, J.M. Choi, and J.R. Self. 1992. Induced micronutrient toxicity in *Petunia hybrida*. J. Plant Nutrition. 15(3):327-339.
- Demeke, T., H.G. Hughes, and C.W. Lee. 1992. Propagation of *Phytolacca dodecandra* (endod) by stem cuttings. Trop. Agr. 69(3):301-303.
- Lee, C.W., E.P. Glenn, and J.W. O'Leary. 1992. In vitro propagation of *Salicornia bigelovii* Torr. by shoot-tip cultures. HortScience 27(5):471.
- Jeong, B.R. and C. W. Lee. 1992. Growth suppression and raised tissue Cl<sup>-</sup> contents in NH<sub>4</sub><sup>+</sup>-fed marigold, petunia and salvia. J. Amer. Soc. Hort. Sci. 117 (5):765-768.
- Jeong, B.R. and C.W. Lee. 1992. Ammonium and nitrate nutrition of 11 bedding plants. Acta Horticulturae 319:505-511.
- Raeber, A.C. and C.W. Lee. 1991. Gibberellic acid, temperature, light, stratification and salinity affect germination of *Penstemon parryi* Gray seed. HortScience 26(12):1535-1537.

- Hughes, H.G., L.E. Towill, and C.W. Lee. 1991. Low temperature preservation of *Clanthus formosus pollen*. HortScience 26(11):1411-1412.
- Terry, L.I. and C.W. Lee. 1990. Infestation of cultivated *Amaranthus* by the weevil *Conotrachelus seniculus* in Southern Arizona. Southwestern Entomologist 15(1):27-31.
- Lee, C.W. and J.C. Thomas. 1985. Jojoba embryo culture and oil production. HortScience 20(4):762-764.
- Lee, C.W. and R.A. Sherman. 1985. Meiosis in jojoba, *Simmondsia chinensis*. Israel J. Bot. 34:1-6.
- Lee, C.W. and J.C. Thomas. 1985. Propagation of desert milkweed by shoot tip culture. HortScience 20(2):263-264.
- Lee, C.W. and J.C. Thomas. 1985. Tissue culture propagation of buffalo gourd. HortScience 20(2):218-219.
- Lee, C.W., J.C. Thomas, and S.L. Buchmann. 1985. Factors affecting in vitro germination and storage of *Simmondsia chinensis* pollen. J. Amer. Soc. Hort. Sci. 110(3):671-676.
- Simons, R.A., M.W. Nabors, and C.W. Lee. 1984. A model of mutant selection in plant suspension cultures. J. Plant Physiol. 116:95-102.
- Lee, C.W., A.E. Thompson, W.D. Jones, and L. Hogan. 1984. 'Centennial' *Baccharis interspecific hybrid*. HortScience 19:903.
- Lee, C.W. and D.A. Palzkill. 1984. Propagation of jojoba by single node cuttings. HortScience 19:841-842.
- Smith, E.Y. and C.W. Lee. 1983. Propagation of Arizona rosewood by cuttings. HortScience 18:764-765.
- Peoples, T.R. and C.W. Lee. 1982. Dry matter and hydrocarbon yields of *Calotropis procera*. Biomass 2:153-158.
- Erickson, H.T., J. Steadman, C.W. Lee, and J. Janick. 1982. P1-P8, diploid and tetraploid *Salpiglossis germplasm*. HortScience 17:260.
- Peoples, T.R., S.M. Alcorn, H.E. Bloss, W.R. Clay, M. Flug, J.J. Hoffman, C.W. Lee, S. Luna, S.P. McLaughlin, M. Steinberg, and D. Young. 1981. *Euphorbia lathyris* L.: A future source of extractable liquid fuels. Bio Sources Digest 3:117-123.
- Hogan, L., W.D. Jones, and C.W. Lee. 1980. 'Beer-Sheva' *Suaeda*. HortScience 15:831.
- Hogan, L., W.D. Jones, C.W. Lee. 1980. 'Molino' and 'Tonto' Arizona Rosewood. HortScience 15:832-833.

Lee, C.W., H.T. Erickson, and J. Janick. 1979. Cleistogamy in *Salpiglossis sinuata*. Amer. J. Bot. 66:626-632.

Lee, C.W. and J. Janick. 1978. Muskmelon hybrid seed production facilitated by ethephon. HortScience 13:195-196.

Lee, C.W. and J. Janick. 1978. Inheritance of seedling bitterness in *Cucumis melo* L. HortScience 13:193-194.

Lee, C.W., H.T. Erickson, and J. Janick. 1978. Chasmogamous and cleistogamous pollination in *Salpiglossis sinuata*. Physiol. Plant. 43:225-230.

Lee, C.W., A.I. Soltero, R.M. Skirvin, and J. Janick. 1977. Tissue culture of *Salpiglossis sinuata* from leaf discs. HortScience 12:547-549.

Lee, C.W., H.T. Erickson, and J. Janick. 1976. Inheritance of cleistogamy in *Salpiglossis sinuata*. J. Hered. 67:267-270.

#### ***B. Non-Refereed Journal Articles***

Hatterman-Valenti, H., W. Larson, and C.W. Lee. 2001. Fresh market tomato cultivar trial (North Dakota). Broccoli cultivar trial. Midwestern Vegetable Variety Trial Report for 2001. Purdue Univ. Agr. Exp. Sta. Bul. 808, pp. 183-184.

Hatterman-Valenti, H., W. Larson, and C.W. Lee. 2001. Cabbage cultivar trial (North Dakota). Midwestern Vegetable Variety Trial Report for 2001. Purdue Univ. Agr. Exp. Sta. Bul. 808, p. 26.

Hatterman-Valenti, H., W. Larson, and C.W. Lee. 2001. Broccoli cultivar trial (North Dakota). Midwestern Vegetable Variety Trial Report for 2001. Purdue Univ. Agr. Exp. Sta. Bul. 808, pp. 11-12.

Stack, R.W., N.C. Gudmestad, and C.W. Lee. 1999. Effect preharvest spraying of menomyl and aster yellows on storage life of carrots. pp 54-56. In B.D. Nelson and T.J. Gulya, eds. Proceedings of the 1998 International Sclerotinia Workshop, Fargo, ND. 103 pp.

Mickelson, J.P. and C.W. Lee. 1999. Watermelon cultivar trials for 1999. Midwestern Vegetable Trial Report. Purdue Univ. Agr. Exp. Sta. Bul. 788. pp. 181-182.

Mickelson, J.P., K.-H. Cho, and C.W. Lee. 1999. Tomato cultivar trials for 1999. Midwestern Vegetable Trial Report. Purdue Univ. Agr. Exp. Sta. Bul. 788. 160-161.

Mickelson, J.P. and C.W. Lee. 1999. 1999 evaluation of muskmelon cultivars in Fargo, North Dakota. Midwestern Vegetable Trial Report. Purdue Univ. Agr. Exp. Sta. Bul. 788. pp. 46-47.

Stack, R.W., N.C. Gudmestad, and C.W. Lee. 1999. Effect of benomyl spray and aster yellows on storage of carrots. Phytopathology 88:117-118.

- Mickelson, J.P., R.L. Abrahamson, and C.W. Lee. 1999. Cabbage cultivar trials for 1999. *Midwestern Vegetable Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 788. pp. 18-19.
- Lee, C.W. and R.L. Abrahamson. 1997. 1997 evaluations of tomato cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 758. p. 166.
- Lee, C.W. and R.L. Abrahamson. 1997. 1997 evaluations of Oriental radish in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 758. p. 80.
- Michelson, J.P., R.L. Abrahamson, and C. W. Lee. 1998. 1998 evaluations of cabbage cultivars in Fargo, North Dakota. *Midwestern Vegetable Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 77. pp. 19-20.
- Lee, C.W. and R.L. Abrahamson. 1997. 1997 evaluations of cabbage cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 758. pp. 11-12.
- Lee, C.W., M.E. Duysen, and K.C. Chang. 1996. Improvement of carrot germplasm for high sugar and -carotene contents. *Alternative Crops Res.*, North Dakota State Univ. pp. 29-32.
- Abrahamson, R.L., M. Qin, and C.W. Lee. 1996. 1996 evaluations of watermelon cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 737. pp. 244-245.
- Krause, M.A. and C.W. Lee. 1996. Fresh and dehydrated vegetable markets for North Dakota. *Alternative Crops Res.*, North Dakota State Univ. pp. 27-28.
- Abrahamson, R.L., S. Ke, and C.W. Lee. 1996. Evaluations of muskmelon cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 737. p. 105.
- Lee, C.W., R.L. Abrahamson, S. Ke, and M. Qin. 1996. 1996 evaluations of cabbage cultivars at Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 737. pp.18-20.
- Gilliland, G.G., D.C. Johnson, R.L. Abrahamson, and C.W. Lee. 1995. Evaluation of cabbage cultivars at Fargo, North Dakota, for 1995. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 718. pp. 15-16.
- Lee, C.W., D.C. Johnson, R.L. Abrahamson, S. Ke, M.B. Jackson, and B.A. Laschkewitsch. 1994. 1994 evaluations of onion cultivars at Absaraka, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 698. pp. 92-93.
- Lee, C.W., B.A. Laschkewitsch, Q. Hussaini, and D.C. Johnson. 1994. Evaluation of muskmelon cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*.



Purdue Univ. Agr. Exp. Sta. Bul. 698. p. 85.

Johnson, D.C., S.J. Thiel, S. Ke, M.B. Jackson, and C.W. Lee. 1994. 1994 carrot cultivar trials at Absaraka, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 698. pp. 60-62.

Johnson, D.C., R.L. Abrahamson, B.A. Laschkewitsch, and C.W. Lee. 1994. 1994 evaluations of cabbage cultivars in Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report*. Purdue Univ. Agr. Exp. Sta. Bul. 698. pp. 36-37.

Laschkewitsch, B.A., M.B. Jackson, B. Bell, and C.W. Lee. 1993. The 1993 onion cultivar trials for prosper, North Dakota. *Midwestern Vegetable Variety Trial Report for 1993*. Purdue Univ. Agr. Exp. Sta. Bul. 680. p. 96.

Jackson, M.B., B.A. Laschkewitsch, and C.W. Lee. 1993. The 1993 cabbage cultivar trials for Fargo, North Dakota. *Midwestern Vegetable Variety Trial Report for 1993*. Purdue Univ. Agr. Exp. Sta. Bul. 680. pp. 47-48.

Lee, C.W. 1992. Turfgrass research at NDSU tackles micronutrient toxicity. *Talking Turf*. Winter 1992:5-6.

Pak, C.H. and C.W. Lee. 1991. Micronutrient toxicity in marigold. *Greenhouse Grower*. Jan. 1991. pp. 80-82.

Hopper, D.A., C.W. Lee, and K.L. Goldsberry. 1991b. Validation and testing of the Rosesim computer model of rose growth and development. *Roses Inc. Bull.* November. pp. 43-52.

Hopper, D.A., C.W. Lee, and K.L. Goldsberry. 1991a. Validation and testing of the Rosesim computer model of rose growth and development. *Roses Inc. Bull.* April. pp. 47-58.

Jeong, B.R. and C.W. Lee. 1990.  $\text{NH}_4^+$  and  $\text{NO}_3^-$  nutrition of selected bedding plants. *Proc. 4th Symp. Korean Scientists and Engineers*. Seoul, Korea. pp. 400-404.

Pak, C.H. and C.W. Lee. 1990. How to detect micronutrient toxicity in geranium. *Greenhouse Grower*. Sept. 1990. pp. 32-34.

Lee, C.W., D.A. Hopper, and K.L. Goldsberry. 1990. Pansies show winter hardiness. *Greenhouse Grower*. Oct. 1990. pp. 76-78.

Lee, C.W. and K.L. Goldsberry. 1988. Evaluation of rockwool as a growing medium for geraniums: comparison with peatlite and soil mixes. *Colo. Greenhouse Growers Assoc. Res. Bul.* 459:1-3.

Lee, C.W. and K.L. Goldsberry. 1988. Production of cut chrysanthemums in loose rockwool. *Colo. Greenhouse Growers Assoc. Res. Bul.* 457:1-3.

Lee, C.W., K.L. Goldsberry, and J.J. Hanan. 1987. Evaluation of loose rockwool as a growing medium for poinsettia: comparison with peatlite and soil mixes. *Colo. Greenhouse Growers' Assoc. Res. Bul.* 441:1-2.

Lee, C.W., K.L. Goldsberry, and J.J. Hanan. 1987. Evaluation of rockwool as a growing medium for potted chrysanthemums: comparison with peatlite and soil mixes. Colo. Greenhouse Growers' Assoc. Res. Bul. 439:2-3.

Lee, C.W. 1987. Hydroponic production of greenhouse crops in rockwool. Proc. 1987 Korea Symposium on Science and Technology pp. 346-354.

Lee, C.W. 1986. Advances in plant cell and tissue culture. Proc. 1986 Summer Science Symposium, Korean Fed. Sci. Tech. Soc., Seoul, Korea. pp. 303-309.

Lee, C.W., K.L. Goldsberry, and J.J. Hanan. 1986. Production of cut snapdragons in rockwool. Colo. Greenhouse Growers' Assoc. Res. Bul. 438:1-2.

Lee, C.W., J.C. Thomas, and R.L. Price. 1982. Jojoba oil production from embryo cultures. Proc. 5th International Conference on Jojoba. pp. 9-20.

Anderson, J.O., C.W. Lee, and D.L. Johnson. 1981. Cassava: A potential forage and starch crop for Arizona. The Univ. of Ariz. Agr. Exp. Sta. Forage and Grain Rept. 54:107-108.

Lee, C.W. 1980. Propagation of *Cordia parvifolia* by stem cuttings. Qué Pasó. March-April, 1980. p. 19.

Hogan, L., C.W. Lee, D. Palzkill, and W.R. Feldman. 1980. Jojoba: A new horticultural crop in arid regions. HortScience 15:114.

Lee, C.W., J.O. Anderson, D.A. Palzkill, and L. Hogan. 1980. In vitro germination and cryogenic storage of jojoba pollen. Proc. 4th International Conference on Jojoba. 347-351.

Hogan, L., C.W. Lee, D.A. Palzkill, and W.R. Feldman. 1978. Recent progress in the propagation of jojoba by stem cuttings. Proc. 3rd International Conference on Jojoba. pp. 1-4.

### **C. Abstracts**

Lee, C.W. 2006. Practice of herbaceous grafting in horticulture classes. Program of the the 2006 International Horticultural Congress-Seoul. Workshop 05-05, p.33.

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