

CURRICULUM VITAE: Leslie L. Beck, Ph.D.

Extension Weed Specialist & Assistant Professor
Department of Extension Plant Sciences
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Education:

2012	Ph.D.	Plant and Soil Science	Texas Tech University
2009	MS	Agriculture	Tarleton State University
2006	BS	Horticulture & Landscape Management	Tarleton State University

Professional Experience:

Mar. 2015 – Present	Extension Weed Specialist & Asst. Professor Department of Extension Plant Sciences New Mexico State University, Las Cruces, NM
July 2013 – Jan. 2015	Postdoctoral Research Assoc., Horticulture & Landscape Architecture – Turfgrass Weed Management Purdue University, West Lafayette, IN
Sept. 2012 – July 2013	Graduate Teaching Asst., Plant and Soil Science Texas Tech University, Lubbock, TX
Sept. 2009 – Sept. 2012	Graduate Research Assoc., Plant and Soil Science Ph.D. – Turfgrass Management Texas Tech University, Lubbock, TX
May 2006 – Aug. 2009	Graduate Research Assoc., Agribusiness, Agronomy, Horticulture, and Range Management MS – Golf Course Management Tarleton State University, Stephenville, TX

Extension Presentations (114):

Beck, L. L. 2017. Importance of Weeds in Agriculture. 2017 Catron County McKeen Ranch Days. Glenwood, NM. (Invited Speaker).

Beck, L. L. 2017. Herbicide Resistance in Cotton. Texas A&M AgriLife 2017 Cotton Workshop. Tornillo, TX. (Invited Speaker).

Beck, L. L. 2017. Herbicide Resistance. 2017 Quay County Weed Management Workshop. Apr. 5. Tucumcari, NM. (Invited Speaker).

Beck, L. L. 2017. Weed Identification and Management. Sandoval County Master Gardeners Training Session. Mar. 28. Rio Rancho, NM. (Invited Speaker).

Beck, L. L. 2017. Weed Identification and Management. Bernalillo County Master Gardeners Training Session. Mar. 28. Albuquerque, NM. (Invited Speaker).

Beck, L. L. 2017. Weed Identification and Management. Valencia County Master Gardeners Training Session. Mar. 27. Belen, NM. (Invited Speaker).

Beck, L. L. 2017. Weed Identification and Management. Chavez County Master Gardeners Training Session. Mar. 24. Roswell, NM. (Invited Speaker).

Beck, L. L. 2017. Herbicide Resistance. 2017 Four Corners Invasive Ag Weeds Symposium. Mar. 16. Cortez, Co. (Invited Speaker).

- Beck, L. L.** 2017. Weed Identification and Management. Taos County Master Gardeners Training Session. Mar. 8. Taos, NM. (Invited Speaker).
- Beck, L. L.** 2017. Weed Identification and Management. Los Alamos County Master Gardeners Training Session. Mar. 7. Los Alamos, NM (Invited Speaker).
- Beck, L. L.** 2017. Weed Identification and Management. Santa Fe County Master Gardeners Training Session. Mar. 7. Santa Fe, NM. (Invited Speaker).
- Beck, L. L.** 2017. Weed Identification and Management. Santa Fe County Master Gardeners Training Session. Mar. 6. Santa Fe, NM. (Invited Speaker).
- Beck, L. L.** 2017. Weed Management and identification in Urban Landscapes. Texas A&M AgriLife 2017 Pesticide Applicator Training. Mar. 1. El Paso, TX. (Invited Speaker).
- Beck, L. L.** 2017. Weed Management and identification in Agriculture. Texas A&M AgriLife 2017 Pesticide Applicator Training. Mar. 1. El Paso, TX. (Invited Speaker).
- Beck, L. L.** 2017. Got Weeds? Organic Weed Management and Identification. 2017 Annual Organic Farming Conference. Feb. 17. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2017. Principles of Weed Management. CEU Pesticide Applicator's Training. Feb. 9. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2017. Water Hardness and its Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Feb. 9. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2017. Weed Management in Chile Pepper. 2017 NM Chile Conference. Feb. 7. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2017. Principles of Weed Management. CEU Pesticide Applicator's Training. Jan. 19. Hobbs, NM. (Invited Speaker).
- Beck, L. L.** 2017. Water Hardness and its Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Jan. 19. Hobbs, NM. (Invited Speaker).
- Beck, L. L.** 2017. Controlling Weeds in Hay Crops. 2017 Southwest Hay and Forage Conference. Jan. 13. Ruidoso, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its' Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Dec. 8. Clovis, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. CEU Pesticide Applicator's Training. Dec. 8. Clovis, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its' Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Dec. 6. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. CEU Pesticide Applicator's Training. Dec. 6. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its' Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Dec. 1. Truth or Consequences, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its' Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Nov. 30. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. CEU Pesticide Applicator's Training. Nov. 30. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Control in Forage Crops. 7th Annual Forage Growers Workshop. Nov. 29. Los Lunas, NM. (Invited Speaker).

- Beck, L. L.** 2016. Water Hardness and its' Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Nov. 18. Socorro, NM. (Invited Speaker).
- Beck, L. L.** 2016. Plant Biology and Identification. CEU Pesticide Applicator's Training. Nov. 18. Socorro, NM. (Invited Speaker).
- Beck, L. L.** 2016. Plant Biology and Identification. Southwestern Vegetation Management Annual Conference. Nov. 16. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Impacts of Weeds in Agriculture and our Everyday Lives. CEU Pesticide Applicator's Training. Nov. 15. Santa Rosa, NM. (Invited Speaker).
- Beck, L. L.** 2016. Plant Biology and Identification. CEU Pesticide Applicator's Training. Nov. 15. Santa Rosa, NM. (Invited Speaker).
- Beck, L. L.** 2016. Turfgrass Weed Issues: Resistance. Southwest Turfgrass Association Recreational Landscape Conference and Expo. Oct. 27. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Sprayer Calibration Workshop. Southwest Turfgrass Association Recreational Landscape Conference and Expo. Oct. 26. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Dona Ana County Master Gardeners Training Session. Oct. 20. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management in Pecan Orchards. 2016 Western Pecan Production Short Course. Oct. 19. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Albuquerque Local Food Festival and Field Day, NMSU – Plant Diagnostic Clinic. Oct. 9. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Albuquerque Growers Market, NMSU – Plant Diagnostic Clinic. Oct. 8. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. San Juan County Master Gardeners Training Session. Oct. 7. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. Talk to grounds managers at Encantada Trailer Community. Oct. 4. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Amazing Bugs and Weeds. Southern New Mexico State Fair AGventure Days Program. Sept. 29. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Farmington Farmer's Market, NMSU – Plant Diagnostic Clinic. Sept. 10. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Farmington Master Gardener's Diagnostic Clinic Tour, NMSU - Plant Diagnostic Clinic. Sept. 9. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management in Chile Fields. 2016 New Mexico Chile Field Day. Aug. 30. Los Lunas, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. 2016 Alcalde Field Day. Aug. 11. Alcalde, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. Isleta Pueblo Pesticide Applicator's Workshop, Eight Northern Indian Pueblos Council. Aug. 10. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Noxious Weed Identification – Field Trip. Noxious Weeds Short Course. July 20. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Basic Plant Biology and Identification. 22nd Annual Southwest Noxious Weed Short Course. July 19. Farmington, NM. (Invited Speaker).

- Beck, L. L.** 2016. Plant Biology and Identification. 2016 Navajo Farmer and Rancher Congress Conference Agenda. July 8. Chinle, AZ. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management in Onion Fields. 2016 Onion Field Day. July 6. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Plant Biology and Identification. Natural Resource Fair, Navajo Farmers and Ranchers Congress. June 21. Many Farms, AZ. (Invited Speaker).
- Beck, L. L.** 2016. How to Identify and Manage Weeds in the field. New Mexico First Detector Training Workshop. June 8. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Invasive and Noxious Weeds of New Mexico. New Mexico First Detector Training Workshop. June 7. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Plant Biology and Identification. New Mexico Indian Livestock Days. May 23. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Taos County Master Gardeners Training Session. May 4. Taos, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Santa Fe County Master Gardeners Training Session. May 3. Santa Fe, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Santa Fe County Master Gardeners Training Session. May 2. Santa Fe, NM. (Invited Speaker).
- Beck, L. L.** 2016. Importance of Weed Management with Biological Control. Kids, Cows, and More Ag Field Day. April 15. Winston, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Bernalillo County Master Gardeners Training Session. March 29. Albuquerque, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Sandoval County Master Gardeners Training Session. March 29. Bernalillo, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Valencia County Master Gardeners Training Session. March 28. Belen, NM. (Invited Speaker).
- Beck, L. L.** 2016. Mechanisms of the Development of Herbicide Resistant Weeds. Extension in-Service, College of Agricultural, Consumer, and Environmental Sciences. March 17. Las Cruces, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Resistance in Crop Production. 2016 New Mexico Crop Production Clinic. March 1. Moriarity, NM. (Invited Speaker).
- Beck, L. L.** 2016. Weed Identification and Management. Lea County Master Gardeners Training Session. Feb. 11. Hobbs, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Feb. 3. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. CEU Pesticide Applicator's Training. Feb. 3. Farmington, NM. (Invited Speaker).
- Beck, L. L.** 2016. Water Hardness and its Impact on Herbicide Efficacy. CEU Pesticide Applicator's Training. Jan. 28. Hobbs, NM. (Invited Speaker).
- Beck, L. L.** 2016. Principles of Weed Management. CEU Pesticide Applicator's Training. Jan. 28. Hobbs, NM. (Invited Speaker).
- Beck, L. L.** 2016. Current and Future Research Needs to Evaluate the Efficacy of IPM Weed Management Strategies in Crop Production. 2016 New Mexico Crop Production Association Conference. Jan. 26. Ruidoso, NM. (Invited Speaker).
- Beck, L. L.** 2016. Round-up Ready Alfalfa: Weed Resistance. 2016 Southwest Hay and Forage Conference. Jan. 14. Ruidoso, NM. (Invited Speaker).

- Beck, L. L.** 2016. Integrated Weed Management in Cotton. New Mexico Cotton Growers 20th Annual Cotton Conference. Jan. 13. Ruidoso, NM. (Invited Speaker).
- Beck, L.** 2015. Principles of Weed Management. CEU Pesticide Applicators Training. Dec. 10. Clovis, NM. (Invited Speaker).
- Beck, L.** 2015. Hard Water and its' Impact on Herbicide Efficacy. CEU Pesticide Applicators Training. Dec. 10. Clovis, NM. (Invited Speaker).
- Beck, L.** 2015. Plant Biology and Identification. CEU Pesticide Applicators Training. Dec. 9. Portales, NM. (Invited Speaker).
- Beck, L.** 2015. Hard Water and its' Impact on Herbicide Efficacy. CEU Pesticide Applicators Training. Dec. 4. Moriarty, NM. (Invited Speaker).
- Beck, L.** 2015. Hard Water and its' Impact on Herbicide Efficacy. CEU Pesticide Applicators Training. Dec. 3. Las Cruces, NM. (Invited Speaker).
- Beck, L.** 2015. Principles of Weed Management. CEU Pesticide Applicators Training. Dec. 3. Las Cruces, NM. (Invited Speaker).
- Beck, L.** 2015. Hard Water and its' Impact on Herbicide Efficacy. CEU Pesticide Applicators Training. Dec. 2. Truth or Consequences, NM. (Invited Speaker).
- Beck, L.** 2015. Principles of Weed Management. CEU Pesticide Applicators Training. Nov. 19. Albuquerque, NM. (Invited Speaker).
- Beck, L.** 2015. Hard Water and its' Impact on Herbicide Efficacy. CEU Pesticide Applicators Training. Nov. 19. Albuquerque, NM. (Invited Speaker).
- Beck, L.** 2015. Plant Biology and Identification. Southwestern Vegetation Management CEU Workshop. Nov. 18. Albuquerque, NM. (Invited Speaker).
- Beck, L.** 2015. Plant Biology and Identification. CEU Pesticide Applicators Workshop. Nov. 10. Roswell, NM. (Invited Speaker).
- Beck, L.** 2015. How to Differentiate Common Look-A-Like Weeds. Southwest Turfgrass Association Expo. Nov. 5. Ruidoso, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Southwest Turfgrass Association Expo. Nov. 4. Ruidoso, NM. (Invited Speaker).
- Beck, L.** 2015. Importance of Agriculture and Weed Management. 4-H Ag Festival at Hatch and Rio Grande Elementary Schools. Oct. 15. Hatch, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Management and Identification. Otero Master Gardeners Training Session. Sept. 22. Otero County, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Chile Field Day. Sept. 9. Las Cruces, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Resistance and Management. Clovis Field Day. Aug. 7. Clovis, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Grape Field Day. Aug. 1. Las Cruces, NM. (Invited Speaker).
- Beck, L.** 2015. Plant Biology and ID. NM Noxious Weeds Short Course. Training session. Jul. 22. Farmington, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Grant County Master Gardeners Training Session. June 3. Silver City, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management in Onion Fields. New Mexico State University Onion Field Day. June 3. Las Cruces, NM. (Invited Speaker).

- Beck, L.** 2015. Weed Identification and Management. Northern District Master Gardeners Training Session. May 6. Taos, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Northern District Master Gardeners Training Session. May 5. Los Alamos, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Identification and Management. Northern District Master Gardeners Training Session. May 4-5. Santa Fe, NM. (Invited Speaker).
- Beck, L.** 2015. Weed Management in Small Grains. Clovis Canola-Wheat Field Day. Apr. 28. Clovis, NM. (Invited Speaker).
- Beck, L.** 2015. How to Distinguish and Control Common Look-A-Like Weeds. Midwest Regional Turf Foundation Indiana Green Expo. Jan. 20-22. Indianapolis, IN. (Invited Speaker).
- Beck, L., Q. Law, and G. Hardebeck.** 2015. Basic Turf Training. Workshop. Midwest Regional Turf Foundation Indiana Green Expo. Jan. 20-22. Indianapolis, IN. (Invited Speaker).
- Beck, L. and G. Schortgen.** 2015. Identifying Turf, Landscape, and Nursery Weeds. Workshop. Midwest Regional Turf Foundation Indiana Green Expo. Jan. 20-22. Indianapolis, IN. (Invited Speaker).
- Beck, L.** 2014. Hands-on Weed Identification. Midwest Regional Turf Foundation Herbicide Workshop. Dec. 2, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L.** 2014. How to Take Care of Your Lawn. Bartholomew County Master Gardeners Meeting. Nov. 25, 2014. Bedford, IN. (Invited Speaker).
- Beck, L.** 2014. How to differentiate Common Look-Alike Weeds. Midwest Regional Turf Foundation Turf & Landscape Seminar. Nov. 13-14, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L., and Q. Law.** 2014. Hands-on Turfgrass Identification. Midwest Regional Turf Foundation Turf & Landscape Seminar. Nov. 13-14, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L. and G. Schortgen.** 2014. How to Take Care of Your Lawn. Bartholomew County Master Gardeners Meeting. Sept. 23, 2014. Columbus, IN. (Invited Speaker).
- Beck, L.** 2014. How to Differentiate Common Look-Alike Weeds. Midwest Regional Turf Foundation Lawn Care Diagnostic Training Seminar. July 31, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L., and D. Weisenberger.** 2014. Tracking Weather to Better Time Your Herbicide Applications. Purdue Turf & Landscape Field Day. July 15, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L.** 2014. Weed Control in an Athletic Field. Midwest Regional Turf Foundation Sports Turf Management Training Workshop. June 10, 2014. West Lafayette, IN. (Invited Speaker).
- Beck, L.** 2014. Top Ten Questions a Homeowner Might Ask a Garden Center Employee. Garden Center Personnel Training Workshop. Purdue Extension. Feb. 27, 2014. Noblesville, IN. (Invited Speaker).
- Beck, L.** 2014. Enhancing Weed Control with Postemergence Herbicides. Midwest Regional Turf Foundation Indiana Green Expo. Jan. 8-10, 2014. Indianapolis, IN. (Invited Speaker).

- Beck, L., Q. Law, and A. Patton.** 2013. Hands-on Turfgrass Identification. Midwest Regional Turf Foundation Turf & Landscape Seminar. Nov. 13-14, 2013. West Lafayette, IN. (Invited Speaker).
- Beck, L. and G. Henry.** 2011. Diseases and Stress on Turfgrass. Texas Pest Control Assoc. 42nd Annual Texas Tech Workshop. Sept. 26-27, 2011. Lubbock, TX. (Invited Speaker).
- Beck, L.** 2010. Spring Dead Spot Control in Bermudagrass. 2010. Texas Tech Turfgrass Field Day. Aug. 9, 2010. Lubbock, TX. (Invited Speaker).

Popular Press Articles (10):

- Beck, L. L.** (2017) Management of Puncturevine Weeds in NM. Yard and Garden Newsletter. (In Press).
- Beck, L. L.** (2017) Management of Mustard Weeds in NM. Yard and Garden Newsletter. Feb. 11, 2017.
- Beck, L. L., Marsalis, M. A., Lauriault, L. M.** (2017) Guide A-325, Managing Weeds in Alfalfa (Revision-Accepted). Las Cruces, NM: Agricultural Experiment Station and Cooperative Extension Service, New Mexico State University.
- Idowu, O. J., Zhang, J., Flynn, R. P., Pierce, J. B., **Beck, L. L.**, Sullivan, P. (2016). *Cotton Newsletter Volume 7, Number 3* (ed., vol. Volume 7). NMSU, Extension Plant Sciences.
- Idowu, O. J., Zhang, J., Flynn, R. P., Pierce, J. B., **Beck, L. L.**, Sullivan, P. (2016). *Cotton Newsletter Volume 7, Number 2* (ed., vol. Volume 7). NMSU, Extension Plant Sciences.
- Marsalis, M. A., **Beck, L. L.** (2016). Pre-emergent Herbicide Now Labeled for Cool-Season Grass Pasture & Hay Fields. County Agent Newsletters/News You Can Use. eps.nmsu.edu/2016-news-you-can-use.html
- Idowu, O. J., Zhang, J., **Beck, L. L.**, Pierce, J. B., Carillo, T. (2016). *Cotton Newsletter Volume 7, Number 1* (ed., vol. Volume 7). NMSU, Extension Plant Sciences.
- Patton, A. J. and **L. Beck.** 2015. Ground Ivy, aka Creeping Charlie. Golf Course Management. 83(4):32.
- Beck, L., T. Cooper, A. J. Hephner, C. Straw, and G. Henry.** 2013. Effect of Preemergence Herbicides on the Recovery of Bermudagrass from Spring Dead Spot. Golf Course Management – Research. 81(7):80-85.
- Straw, C., G. Henry, T. Cooper, and **L. Beck.** 2013. Lesser Swinecress Control in Creeping Bentgrass Putting Greens. Golf Course Management – Cutting Edge. 81(2):100.
- Beck, L., T. Cooper, A. J. Hephner, C. Straw, and G. Henry.** 2012. Spring Dead Spot Recovery in Response to Preemergence Herbicides. Golf Course Management – Cutting Edge. 80(4):116.
- Beck, L., T. Cooper, A. J. Hephner, C. Straw, and G. Henry.** 2011. Cultivation Enhances SDS Fungicide Efficacy. Golf Course Management – Cutting Edge. 79(12):88.

Refereed Journal Publications (15):

- Beck, L. L., Patton, A. J., Weisenberger, D. V., Brosnan, J. T., and Breeden, G. T.** (In Press). Evaluation of herbicides for ground ivy (*Glechoma hederaceae*) control at two application timings. To appear in the Journal of Crop Science.

- Hephner, A. J., Cooper, T., **Beck, L. L.**, Henry, G. M. (In Press). Effects of Simulated Compaction on the Lateral Spread of Khakiweed. To appear in International Turfgrass Science Research Journal.
- Cooper, T., **Beck, L. L.**, Straw, C. M., Henry, G. M. (In Press). Variable Response of Creeping Bentgrass Cultivars to Metamifop. To appear in International Turfgrass Science Research Journal.
- Cooper, T., Beck, **L. L.**, **Straw**, C. M., Henry, G. M. (2016). Efficacy of Metamifop for the Control of Common Bermudagrass. *HortTechnology*, 26(4), 394 - 398.
- Beck, L. L.**, and A. J. Patton. 2015. Weed garden: an effective tool for extension education. *J. of Extension*. 53(4).
- Beck, L. L.**, A. J. Patton, Q. D. Law, D. V. Weisenberger, J. T. Brosnan, J. J. Vargas Almodóvar, and G. K. Breeden. 2014. Mesotrione activity on crabgrass (*Digitaria* spp.) as influenced by nitrogen fertilization rate, source, and timing. *Weed Technol.* 29:263-273.
- Beck, L. L.**, A. J. Patton, and D. V. Weisenberger. 2014. Mowing before or after an herbicide application does not influence ground ivy (*Glechoma hederacea*) control. *Appl. Turfgrass Sci.* doi:10.2134/ATS-2013-0017-RS.
- Beck, L.**, T. Cooper, A. J. Hephner, C. Straw, and G. Henry. 2013. Effect of preemergence herbicides on the recovery of bermudagrass from spring dead spot. *Appl. Turfgrass Sci.* doi:10.1094/ATS-2013-0328-01-RS.
- Henry, G. M., J. A. Hoyle, **L. L. Beck**, T. Cooper, T. Montague, and C. McKenney. 2013. Evaluation of mulch and preemergence herbicides for weed control in high density olive (*Olea europaea* L.) production. *HortScience*. 50(9):1338-1341.
- Hoyle, J. A., C. M. Straw, G. M. Henry, **L. L. Beck**, T. Cooper, and A. J. Hephner. 2013. Control of lesser swinecress in creeping bentgrass putting greens. *Appl. Turfgrass Sci.* doi:10.1094/ATS-2013-0425-01-RS.
- Hoyle, J. A., G. M. Henry, T. Williams, A. Holbrook, T. Cooper, **L. Beck**, and A. J. Hephner. 2013. Best management practices for the conversion of established bermudagrass to buffalograss. *HortScience*. 48(2):233-236.
- Henry, G. M., C. Straw, **L. L. Beck**, T. Cooper, J. Brosnan, and G. Breeden. 2013. Nutsedge (*Cyperus* spp.) control and perennial ryegrass overseeding tolerance to SP25052. *Int. Turf. Sci. Res. J.* 13:695-700.
- Hephner, A. J., A. Holbrook, T. Cooper, **L. L. Beck**, and G. M. Henry. 2013. Khakiweed (*Alternanthera pungens* Kunth) growth response to mowing height. *HortScience*. 48(10):1317-1319.
- Henry, G. M., J. T. Brosnan, G. K. Breeden, T. Cooper, **L. L. Beck**, and C. M. Straw. 2012. Indaziflam programs for weed control in overseeded bermudagrass turf. *Hort Technol.* 22(6):774-777.
- Hephner, A. J., T. Cooper, **L. L. Beck**, and G. M. Henry. 2012. Sequential postemergence applications for the control of khakiweed in bermudagrass turf. *HortScience*. 47:434-436.

Annual Research Reports (2):

- Beck, L. L.**, A. J. Patton, Q. D. Law, D. V. Weisenberger. 2014. Mesotrione activity on large crabgrass (*Digitaria sanguinalis*) as influenced by nitrogen fertilization timing. Online. (In Press).

Beck, L. L., A. J. Patton, D. V. Weisenberger. 2014. Mesotrione activity on large crabgrass (*Digitaria sanguinalis*) as influenced by nitrogen fertilization rate and source. Online. (In Press).

Abstracts, Posters, and Presentations at Scientific Meetings (44):

- Sanchez, A., Schutte, B. J., **Beck, L. L.** and Idowu, O. J. 2016. Stale Seedbeds for Summer Annual Weeds in New Mexico. Proceedings of the 57th Annual Meeting of the Weed Science Society of America.
- Patton, A. J., C. K. Gerber, and **L. L. Beck**. 2015. Developing and Utilizing a Weed Garden in your Extension Program. Crop Sci. Soc. of Am.
- Beck, L. L.** and A. J. Patton. 2015. Development of herbicide resistant smooth crabgrass following quinclorac use in fine turf. Crop Sci. Soc. of Am.
- Beck, L. L.**, A. J. Patton, Q. D. Law, D. V. Weisenberger, J. T. Brosnan, J. J. Vargas Almodóvar, G. K. Breeden. 2014. Mesotrione activity is influenced by nitrogen fertilization rate and application timing. Crop Sci. Soc. of Am.
- Beck, L. L.**, A. J. Patton, Q. D. Law, D. V. Weisenberger, J. T. Brosnan, J. J. Vargas Almodóvar, G. K. Breeden. 2014. Nitrogen fertilizer application timing influences mesotrione efficacy on large crabgrass. Southern Weed Sci. Soc. 67:230.
- Henry, G., C. Straw, **L. Beck**, T. Cooper, J. Brosnan, and G. Breeden. 2013. Nutsedge (*Cyperus* spp.) control and perennial ryegrass overseeding tolerance to SP25052. Int. Turfgrass. Soc.
- Straw, C., G. Henry, T. Cooper, and **L. Beck**. 2013. Tolerance of perennial ryegrass overseeding to residual activity of Tribute Total. Southern Weed Sci. Soc. 66:150.
- Henry, G., C. Straw, J. Moore-Kucera, A. Jackson, T. Cooper, and **L. Beck**. 2013. MSMA leaching potential in a simulated turfgrass system. Southern Weed Sci. Soc. 66:231.
- Beck, L.**, C. Straw, T. Cooper, and G. Henry. 2012. Combinations of dimethenamid and pendimethalin for the control of large crabgrass in bermudagrass. Southern Weed Sci. Soc. 65:24.
- Beck, L.**, T. Cooper, C. Straw, and G. Henry. 2012. Effect of preemergence herbicides on spring dead spot recovery in bermudagrass fairways. Southern Weed Sci. Soc. 65:17.
- Henry, G., C. Straw, T. Cooper, and **L. Beck**. 2012. Establishment of forage spp. in response to soil amendments and microbial inoculants. Crop Sci. Soc. of Am.
- Hoyle, J., C. Straw, G. Henry, T. Cooper, **L. Beck**, J. Brosnan, and G. Breeden. 2012. Efficacy of metamifop for the control of large crabgrass at various growth stages. Crop Sci. Soc. of Am.
- Hoyle, J., C. Straw, G. Henry, T. Cooper, **L. Beck**, J. Brosnan, and G. Breeden. 2012. Fall applications of methiozolin for the control of annual bluegrass in sand-based and push-up Greens. Crop Sci. Soc. of Am.
- Straw, C., G. Henry, T. Williams, T. Cooper, and **L. Beck**. 2012. Postemergence control of lesser swinecress in creeping bentgrass putting greens. Crop Sci. Soc. of Am.
- Henry, G., C. Straw, J. Moore-Kucera, A. Jackson, T. Cooper, and **L. Beck**. 2012. Leaching potential of MSMA in bermudagrass turf. Crop Science Soc. of Am.
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- Cooper, T., A. J. Hephner, T. Williams, **L. Beck**, and G. Henry. 2010. Pre- and postemergence annual bluegrass control with indaziflam. *Proc. Am. Soc. of Agron.*
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- Hephner, A. J., T. Cooper, T. Williams, **L. Beck**, and G. Henry. 2010. Sequential postemergence applications for the control of khakiweed in bermudagrass. *Proc. Am. Soc. of Agron.*

Grants/Industry Funding (Recent)

Funded Projects (4):

- Schutte, B., Lehnhoff, E., **Beck, L.** 2017. Evaluation of Flumixazin + Pyrozasulfone for Pre-Emergence Control of Mid-Season Weeds in Chile. New Mexico Chile Commission. \$8,033.00 (2 years).
- Fedio, W., **Beck, L.**, Sutherland, C., Idowu, J., Delgado, E., Munson-McGee, S., Creamer, R., Sanogo, S., Chamberlin, B., Ashley, R., Scholljegerdes, E., Ivey, S. 2017. Driving Post-Millennials toward Successful STEM Careers. American Honda Foundation. \$41,239.00 (1 year).
- Lehnhoff, E., C. Sutherland, B. Schutte, and **L. Beck**. 2015. Integrating Mechanical or Chemical Control with Biological Control for Improved Saltcedar Management at Southwestern Reservoirs. Western Region Integrated Pest Management. 29,984 (1 year).
- Schutte, B., J. Idowu, and **L. Beck**. 2015. Developing and IPM Method for Controlling Weeds in Chile. Chile Proposal RFP. \$56,896 (2 years).

Non-Funded Projects (1):

- Ghimire, B., Mesbah, A., **Beck, L.** 2016. Effect of Cover Crops on Weed Suppression and Sustainability of Wheat-Sorghum-Fallow Systems in Eastern New Mexico. NMSU Agricultural Experiment Station. \$48,000 (Not Funded).

Industry Projects (1):

Beck, L. L. 2017. Evaluating New Competitor Products with Generic Competition Products for Weed Control in Pecans. Bayer CropScience. \$2,000 (1 year).

Membership in Professional Societies:

Southwest Turfgrass Association (Treasurer)

National Plant Diagnostic Network (First Detector)

Western Society of Weed Science

Gamma Sigma Delta (Academic Honor Society, Faculty Member)

Tamarisk Coalition

American Society of Agronomy

Soil Science Society of America

Crop Science Society of America

New Mexico noxious Weed List Advisory Committee

Weed Science Society of America

Golf Course Superintendents Association of America