

## List of Publications: Joseph C. Neal

### Publication summary:

Publication type:	Career	Last 10 years
Books	3	2
Book Chapters	10	5
Refereed journal articles	59	9
Reviewed proceedings papers	25	4
Abstracts of presentations (proceedings)	194	41
Extension manuals and bulletins (peer reviewed)	16	5
Other extension fact sheets (not peer reviewed)	I've lost count...	58
Popular / trade press articles	36	2

### Book and Book Chapters:

#### Books:

1. Neal, J.; Uva, R.; DiTomaso, J.; and DiTommaso, A. (2023) Weeds of the Northeast (and Mid-Atlantic States), 2<sup>nd</sup> Ed. Cornell Univ. Press, Ithaca NY 592pp.
2. Chong, J.H, J. Williams-Woodward, J. Neal and M.T Springs Eds. 2017. Southeastern U. S. Pest Control Guide for Nursery Crops and Landscape Plantings. 203 pages. <https://content.ces.ncsu.edu/southeastern-us-pest-control-guide-for-nursery-crops-and-landscape-plantings> Also available in hard copy: UNC Press, Chapel Hill NC <https://www.uncpress.org/book/9781469639000/2017-southeastern-u-s-pest-control-guide-for-nursery-crops-and-landscape-plantings/>
3. Uva, R. H., J. C. Neal and J. M. DiTomaso. 1997. Weeds of the Northeast. Cornell University Press, New York. 396pp.

#### Book Chapters:

1. Moore, K.A., J. Neal, and L.K. Bradley. 2022. Weeds, Chapter 6. In: K.A. Moore, and L.K. Bradley (eds), *North Carolina Extension Gardener Handbook*, 2nd ed. NC State Extension, Raleigh, NC. <<http://content.ces.ncsu.edu/6-weeds>> (on line and in print)
2. Neal, J.C., J.F. Derr, S.C. Marble and A.F. Senesac. 2017. Weed Management, Chapter 6 in: Chong, J.H, J. Williams-Woodward, J. Neal and M.T Springs Eds. 2017. Southeastern U. S. Pest Control Guide for Nursery Crops and Landscape Plantings. <https://content.ces.ncsu.edu/southeastern-us-pest-control-guide-for-nursery-crops-and-landscape-plantings/weed-control> (on line and in print)

3. Neal JC, Derr JF and Marble SC, 2016. Weed control in shrub production. In: M. Chappell, G.W. Knox and G. Fernandez, (eds.) IPM for Shrubs in Southeastern US Nursery Production: Volume II. Athens, GA: Southern Nursery IPM Working Group. Print ISBN: 978-0-9854998-4-6. ([https://wiki.bugwood.org/IPM\\_Shrub\\_Book\\_II](https://wiki.bugwood.org/IPM_Shrub_Book_II))
4. Fulcher, A., W. Klingeman, J. Neal, A. Windham and G. Weaver. 2016. Hydrangea - *Hydrangea* spp. IN M. Chappell, G.W. Knox and G. Fernandez, (eds.) IPM for Shrubs in Southeastern US Nursery Production: Volume II. Athens, GA: Southern Nursery IPM Working Group. Print ISBN: 978-0-9854998-4-6. ([https://wiki.bugwood.org/IPM\\_Shrub\\_Book\\_II](https://wiki.bugwood.org/IPM_Shrub_Book_II))
5. Neal, J.C. and J.F. Derr. 2014. Weed management in shrub production. Pages 161-175. In: White S.A and W.E. Klingeman eds. IPM for shrubs in southeastern US nursery production, Volume 1. Southern Nursery IPM working group [http://www.clemson.edu/extension/horticulture/nursery/ipm/ipm\\_shrub\\_book.html](http://www.clemson.edu/extension/horticulture/nursery/ipm/ipm_shrub_book.html)
6. Neal, J.C. and J.F. Derr. 2012. Weed and ground cover management in field nursery production. Pages 311-323 in: Fulcher, A.F and S. A White ed. IPM for Select deciduous trees in southeastern US nursery production. Southern Nursery IPM working group [https://www.dropbox.com/s/dbxpd5q311yzlhr/chapter\\_13.pdf?dl=0](https://www.dropbox.com/s/dbxpd5q311yzlhr/chapter_13.pdf?dl=0)
7. Neal, J. C. 1995. Weed Management in Turf and Arthropod Interactions. pp. 119-121 in: R.L. Brandenburg, and M.G. Villani, eds. Handbook of Turfgrass Insect Pests. A handbook of the Entomological Society of America.
8. Neal, J. C. 1994. Plan Before You Plant: A Five Step Process for Developing a Landscape Weed Management Plan. pp. 293-300 in A.R. Leslie, ed. Integrated Pest Management for Turf and Ornamentals, Lewis Publishers, Boca Raton, FL.
9. Neal, J. C. 1994. Turfgrass Weed Management -- An IPM Approach. pp. 275-292 in A.R. Leslie, ed. Integrated Pest Management for Turf and Ornamentals, Lewis Publishers, Boca Raton, FL.
10. Senesac, A. F. and J. C. Neal. 1994. Weed Management Guide for Herbaceous Ornamentals. pp. 301-313 in A.R. Leslie, ed. Integrated Pest Management for Turf and Ornamentals, Lewis Publishers, Boca Raton, FL.

**Refereed Journal Publications:** (listed alphabetically, by year)

1. Bourdôt, Graeme W., Alasdair Noble, and Joseph C. Neal (2024) Step-point sampling for broadleaved species' ground cover estimation in pastures – an evaluation of Cockayne's *point on a boot toecap* method, New Zealand Journal of Agricultural Research, DOI: [10.1080/00288233.2024.2325091](https://doi.org/10.1080/00288233.2024.2325091)

2. Neal, J. (2023) Biological control of weeds in turfgrass: opportunities and misconceptions. *Pest Management Sci.* 80: 40-48. (published online, March 2023) <http://doi.org/10.1002/ps.7436> [print citation: Neal, J.C. (2024)]
3. Buddenhagen, C.; Bourdôt, G.; Cripps, M.G.; Bell, N.; Champion, P.; Dodd, M.; Eerens, H.; Ghanizadeh, H.; Griffiths, A.; Harrington, K.; Heenan, P.; Hulme, P.; James, .; Kean, J.; Lamoureaux, S.; **Neal, J.**; Ngow, Z.; Obadovic, I.; Orre,G., Sofia; P., Helen; R., Phil; Tozer, K.; Wynn-Jones, Ben; Zydenbos, S. (2022) A horizon scan for temperate pastoral weed science – a New Zealand perspective. *New Zealand J Agric. Res.* <https://doi.org/10.1080/00288233.2022.2107026>
4. Derr, J., Neal, J., and Bhowmik, P. 2020. Herbicide Resistance in the Nursery Crop Production and Landscape Maintenance Industries. *Weed Technology* 34(3):437-446; DOI: <https://doi.org/10.1017/wet.2020.40>
5. Sherk, J.T., W. Fu, and J.C. Neal. 2020. Site conditions, maintenance costs, and plant performance of 10 extensive green roofs in the research triangle area of central North Carolina. *HortTechnology* 30(5):761–769 <https://doi.org/10.21273/HORTTECH04565-20>
6. LeBude, A., A. Fulcher, J. Dubois, S. K. Braman, M. Chappell, J.H. Chong, J. Derr, N. Gauthier, F. Hale, W. Klingeman, G. Knox, J. Neal, and A. Windham 2017. Experiential Nursery Integrated Pest Management Workshop Series to Enhance Grower Practice Adoption. *HortTechnology* 27:772-781; doi:10.21273/HORTTECH03765-17
7. Wolfe, J.C., J.C. Neal, and C. Harlow. 2016. Selective broadleaf weed control in turf with the bioherbicides *Phoma macrostoma* and Thaxtomin A. *Weed Technology* 30(3):688-700
8. Wolfe, J.C., J.C. Neal, T. Gannon, and C. Harlow. 2016. Efficacy of the bioherbicide Thaxtomin A on smooth crabgrass and annual bluegrass and safety in cool-season turfgrasses. *Weed Technology* 30:733–742
9. Neal, J. C., J. C. Wolfe and C. Harlow. 2015. Auxinic herbicide phytotoxicity to container-grown *Muhlenbergia capillaris* and *Miscanthus sinensis*. *J. Environ. Hort.* 33(1):1–6
10. Fulcher, A., J.H. Chong, S. White, J. Neal, J. Williams-Woodward, C. Adkins, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, S. Gill, F. Hale, W. Klingeman, A. LeBude, K. Rane, A. Windham. 2013. Developing an App as an Extension Tool: A Case Study using IPMPro. *HortTechnology* 23(4): 402-406
11. Fulcher, A., S. White, J.H. Chong, J. Neal, J. Williams-Woodward, C. Adkins, K. Braman, M. Chappell, J. Derr, W. Dunwell, S. Frank, S. Gill, F. Hale, W. Klingeman, A. LeBude, K. Rane, A. Windham. 2013. Testing, Promoting and Launching an App

- as an Extension Tool: A Case Study with IPMPro. HortTechnology; 23(4): 407-410
12. LeBude, A. V., S. A White, A. F. Fulcher, S. Frank, W. E Klingeman III, Juang-Horng Chong, M. R Chappell, A. Windham, K. Braman, F. Hale, W. Dunwell, J. Williams-Woodward, K.Ivors, C. Adkins and J. Neal. 2012. Assessing the integrated pest management practices of southeastern US ornamental nursery operations. Pest Manag Sci 2012; 68: 1278–1288
  13. Fulcher, A; W. E. Klingeman; Juang-Horng Chong; A. LeBude; G. R. Armel; M. Chappell; S. Frank; F. Hale; J. Neal; S. White; J. Williams-Woodward; K. Ivors; C. Adkins; A. Senesac; A. Windham. 2012. Stakeholder Vision of Future Direction and Strategies for Southeastern U.S. Nursery Pest Research and Extension Programming. Journal of Integrated Pest Management 3(2):D1-D8. DOI: <http://dx.doi.org/10.1603/IPM11030>
  14. Post, A. R., R. Ali, A. Krings, Jenny Xiang, B. R. Sosinski and J. C. Neal. 2011. On the identity of the weedy bittercresses (*Cardamine* : Brassicaceae) in United States nurseries: evidence from molecules and morphology. WeedScience 59:123-135
  15. Trueblood, C. E., T. G. Ranney, N. P. Lynch, J. C. Neal, R. T. Olson. 2010. evaluating fertility of triploid clones of *Hypericum androsaemum* L. for use as non-invasive landscape plants. HortScience 45(7):1026-1028
  16. Walker, L.H., J.C. Neal and J.Derr. 2010. Preemergence control of doveweed (*Murdannia nudiflora*) in container grown nursery crops. J. Environ. Hort. 28(1):8-12
  17. LeBude, A., B. L. Upchurch, and J. C. Neal. 2009. Preemergence Herbicide Applications to Six Containerized Woody Ornamental Rootstocks do not Affect Winter Grafting Success. J. Environ. Hort. 27(2):119-122.
  18. Post, A.R., J. C. Neal, A. Krings, B. R. Sosinski, and Q. Xiang. 2009. New Zealand bittercress (*Cardamine corymbosa*; Brassicaceae): new to the United States. Weed Technol. 23:604-607.
  19. Post, A. R., A. Krings, W. Wall, and J. C. Neal. 2009. Introduced lesser celandine (*Ranunculus ficaria*, Ranunculaceae) and its putative subspecies in the United States: a morphometric analysis. J. Bot. Res. Inst. Texas (formerly SIDA) 3(1):193-209
  20. Post, A. R., A. Krings, Qui-Yun Xiang, B. R. Sosinski, and J. C. Neal. 2009. Lectotypification of *Cardamine flexuosa* (Brassicaceae). J. Bot. Res. Inst. Texas (formerly SIDA) 3(1):227-230.
  21. Judge, C. A., J. C. Neal, and T. H. Shear. 2008. Japanese stiltgrass (*Microstegium vimineum*) management for restoration of native plant communities. Invasive Plant Science and Management 1:111-119

22. Judge, C. A. and J. C. Neal. 2006. Early postemergence control of nursery weeds with Broadstar, OH2 and Snapshot TG. *J. Environ. Hort.* 24(2):105-108
23. Judge, C. A., J. C. Neal. and J.F. Derr. 2005. Response of Japanese Stiltgrass (*Microstegium vimineum*) to application timing, rate, and frequency of postemergence herbicides. *Weed Technol.* 19:912-917.
24. Judge, C. A., J. C. Neal. and J.F. Derr. 2005. Preemergence and postemergence control of Japanese stiltgrass (*Microstegium vimineum*). *Weed Technol.* 19:183-189
25. Bilderback, T. E. and J. C. Neal. 2004. Wulpak used as a mulch or an amendment for nursery potting substrates. *Acta Horticulturae* 644:139-143
26. Burnell, K. D., F. H. Yelverton, J. C. Neal, T. W. Gannon and J. S. McElroy. 2004. Control of silvery-thread moss (*Bryum argenteum* Hedw.) in creeping bentgrass (*Agrostis palustris* Huds.) putting greens. *Weed Technol.* 18(3):560-565
27. Judge, C. A., J. C. Neal, and J. B. Weber. 2004. Dose and concentration responses of common nursery weeds to Gallery, Surflan and Treflan. *Journal of Environmental Horticulture* 22:106-112.
28. McElroy, J. S., F. H. Yelverton, J. C. Neal, and T. W. Rufty, Jr. 2004. Influence of photoperiod and temperature on vegetative growth and development of Florida betony (*Stachys floridana*). *Weed Science* 52(2):267-270.
29. Judge, C. A., J. C. Neal, and R. B. Leidy. 2003. Trifluralin (Preen) dissipation from the surface layer of a soilless plant growth substrate. *Journal of Environmental Horticulture* 21:216-222
30. Neal, J. C. 2003. Biology and management of nursery weeds. Combined Proceedings of the International Plant Propagator's Society 53:8-11
31. Neal, J. C., N. D. Williams, and E. B. Nelson. 2003. Evaluating off-target movement of *Xanthomonas campestris* pv. *poannua* following application as a biocontrol agent for *Poa annua* on golf turf. pp. 301-304 In: Cullen, J.M., Briese, D.T., Kriticos, D.J., Lonsdale, W.M., Morin, L. and Scott, J.K. (eds.) Proceedings of the XI International Symposium on Biological Control of Weeds. CSIRO Entomology, Canberra, Australia <https://www.ibiocontrol.org/proceedings/volume.cfm?id=XI>
32. Penny, G. M. and J. C. Neal. 2003. Light, temperature, seed burial, and mulch effects on mulberry weed (*Fatoua villosa*) seed germination. *Weed Technology* 17:213-218
33. Kim, T. J., J. C. Neal, J. M DiTomaso, and F. S. Rossi. 2002. A survey of weed

- scientists' perceptions on the significance of crabgrasses (*Digitaria* spp.) in the United States. *Weed Technol.* 16: 239-242
34. Kim, Tae-Joon and J. C. Neal. 2001. Inter- and intraspecific variation in smooth (*D. ischaemum*) and large crabgrass (*D. sanguinalis*). *Korean Journal of Turfgrass Science* 2001. Vol. 15(3):127-136
  35. Krings, A. and J. C. Neal. 2001. South American skullcap (*Scutellaria racemosa* Pers., Lamiaceae) in the southeastern United States. *Sida* 19 (4): 1171-1179.
  36. Krings, A. and J. C. Neal. 2001. A *Scutellaria* (Lamiaceae) new to North Carolina and a key to the small-flowered Carolina congeners. *SIDA* 19(3):735-739.
  37. Neal, J. C. 2000. Weed control in woody liner production. *Proceedings of the Intern. Plant Propagator's Soc.* 50:528-531.
  38. Koo, S. J, J. C. Neal and J. M. DiTomaso. 1997. Mechanism of action of quinclorac in grass roots. *Pesticide Biochemistry and Physiology* 57:44-53.
  39. Koo, S. J, J. C. Neal and J. M. DiTomaso. 1996. 3,7-Dichloroquinolinecarboxylic acid inhibits cell wall biosynthesis in maize roots. *Plant Physiology* 112:1383-1389.
  40. Zhou, T. and J. C. Neal. 1995. Annual bluegrass (*Poa annua*) control with *Xanthomonas campestris* pv. *poannua* in New York State. *Weed Technology* 9:173-177.
  41. Rossi, F. S., J. C. Neal and A. F. Senesac. 1994. Alleviating the antagonistic effect of moisture stress on smooth crabgrass (*Digitaria ischaemum*) control with fenoxaprop. *Weed Sci.* 42:418-423.
  42. Koo, S. J., J. C. Neal, and J. M. DiTomaso. 1994. Quinclorac-induced electrolyte leakage in seedling grasses. *Weed Sci.*:42:1-7
  43. Neal, J. C. 1993. Granular herbicides for postemergent control of broadleaf weeds in turf without 2,4-D. *Proc. Intern. Turfgrass Conf.* 7:238-245.
  44. Neal, J. C. and A. F. Senesac. 1993. Slender speedwell (*Veronica filiformis*) control in cool-season turf with quinclorac. *Weed Technology* 7:390-395.
  45. Rossi, F. S., J. C. Neal and T. H. Whitlow. 1993. An improved method for maintaining soil moisture levels for plant seedling research. *Crop Science* 33:868-870
  46. Rossi, F. S., J. M. DiTomaso, and J. C. Neal. 1993. Fate of fenoxaprop-ethyl applied to moisture stressed smooth crabgrass (*Digitaria ischaemum*). *Weed Sci.*41:335-340.

47. Neal, J. C. and A. F. Senesac. 1991. Preemergent herbicide safety in container-grown ornamental grasses. *HortScience*. 26(2): 157-159.
48. Neal, J. C. 1990. Non-phenoxy herbicides for perennial broadleaf weed control in cool season turf. *Weed Technology*. 4:555-559.
49. Neal, J. C. and A. F. Senesac. 1990. Gallery (isoxaben) efficacy on summer-annual and winter-annual weeds of nursery and landscape ornamentals. *J. Environ. Hort.* 8:124-127.
50. Neal, J.C. and A.F. Senesac. 1990. Preemergent weed control in container and field grown woody nursery crops with isoxaben (Gallery). *J. of Environ. Hort.* 8:103-107.
51. Neal, J. C., M. P. Pritts, and A. F. Senesac. 1990. Evaluation of preemergent herbicide phytotoxicity to tissue culture-propagated 'Heritage' red raspberry. *J. Amer. Soc. Hortic. Sci.* 115:416:422
52. Neal, J. C., P. C. Bhowmik, and A. F. Senesac. 1990. Factors influencing fenoxaprop efficacy in cool-season turfgrass. *Weed Technology*. 4:272-278.
53. Hummel, N. W., M. C. Fowler, and J. C. Neal. 1990. Prodiamine effects on quality and rooting of Kentucky bluegrass turf. *Crop Science* 30:976-979.
54. Neal, J. C., A. F. Senesac, and A. Bing. 1989. Cultivar differences in postemergent graminicide phytotoxicity to junipers. *HortScience* 24(1):96-98.
55. Neal, J. C. and W. A. Skroch. 1987. Influence of timing and rate of glyphosate applications on conifer growth. *J. Environ. Hort.* 5(3):97-101.
56. Neal, J. C., W. A. Skroch, T.J. Monaco. 1986. Effects of plant growth stage on glyphosate absorption and transport in ligustrum (*Ligustrum japonicum*) and Blue Pacific juniper (*Juniperus conferta*). *Weed Science* 34:115-121.
57. Neal, J. C. and W. A. Skroch. 1985. Effects of timing and rate of glyphosate applications on toxicity to selected woody ornamentals. *J. Amer. Soc. Hort. Sci.* 110:860-864.
58. Wagner, D. F. and J. C. Neal. 1984. Coal cinders with pine bark as azalea growing media. *J. Amer. Soc. Hort. Sci.* 109:822-826.
59. Neal, J. C. and D. F. Wagner. 1983. Physical and chemical properties of coal cinders as a container media component. *HortScience* 18:693-695.

#### Reviewed and edited Proceedings Papers

1. Herring, P.L., H.T. Kraus, T. Gannon, and J. Neal. 2020. Environmental Fate

- of Herbicides in Rain Gardens. Southern Nursery Assoc. Res. Conf. 64:130-136.
2. Neal, J.C. and C. Harlow. 2018. Persistence and effectiveness of Sarritor [*Sclerotinia minor* (IMI 344141)] in the southeastern U.S. Proceedings of the XV International Symposium on the Biological Control of Weeds Vol. 15 DOI: <https://bugwoodcloud.org/resource/files/15115.pdf>
  3. Taylor, A., J. C. Neal, C. D. Harlow, and A. Barker. 2016. Comparing the Economics of Two Weed Removal Strategies in Container Nurseries. Proc. Southern Nursery Assoc. Res. Conf. 61:182-183 <http://www.sna.org/page-1863004>
  4. Kraus, H.T., Riley, E.D., and Neal, J.C. 2016. Post-Establishment Management Issues for Rain Gardens. Southern Nursery Association Research Conference. 61:101-105.
  5. Neal, J. C., B. Shew, and R. Schiavone. 2013. Temperature and dose influence *Phoma macrostoma* efficacy on seedling broadleaf weeds. Proc. International Bioherbicide Group Workshop. 11:19-23 [http://ibg.ba.cnr.it/wp-content/uploads/2015/07/XI\\_IBG\\_Workshop\\_Nanjing\\_China2013.pdf](http://ibg.ba.cnr.it/wp-content/uploads/2015/07/XI_IBG_Workshop_Nanjing_China2013.pdf)
  6. Neal, J. C. and C. Harlow. 2013. Prostrate pigweed control in containers. Proc. Southern Nursery Assoc. Res. Conf. 58:336-338
  7. Fulcher, A., C. Adkins, G. Armel, M. Chappell, J. Chong, S. Frank, F. Hale, K. Ivors, W. Klingeman III, A. LeBude, J. Neal, A. Senesac, S. White, J. Williams-Woodward, A. Windham. 2011. Gleanings from a Five-State Pest Management Strategic Plan and Crop Profile. Proc. Southern Nursery Association Research Conference. 56:75-84.
  8. Neal, J. C. 2006. Bedding plant host preference for dodder. Proc. Southern Nursery Assoc. Res. Conf. 51:411-412
  9. Post, A. R., A. Krings, and J. C. Neal. 2006. Lesser celandine (*Ranunculus ficaria* L.): a new weed for North Carolina. Proc. Southern Nursery Assoc. Res. Conf. 51:400-401
  10. Czarnota, M., D. Lickfeldt, and J. Neal. 2005. A new herbicide for the nursery industry. Proc. Southern Nursery Assoc. Res. Conf. 50:457-460.
  11. Judge, C. A. and J. C. Neal 2004. Early postemergence control of container weeds with Broadstar, OH2 and Snapshot TG. Proc. Southern Nursery Assoc. Res. Conf. 49:377-379.
  12. Judge, C. A. and J. C. Neal. 2003. Predicting herbicide losses in nursery substrates with bioassays. Proc. Southern Nursery Assoc. Res. Conf. 48:348-350. Judge, C. A., J. C. Neal, and R. B. Leidy. 2002. Trifluralin dissipation in a bark-based substrate. Proceedings of the Southern Nursery Association Research Conference 47:389-392



13. Wooten, R. E., J. C. Neal, and B. S. Clark. 2002. Effects of mulches and trifluralin on pansy performance. Proceedings of the Southern Nursery Association Research Conference 47:411-413 <http://www.sna.org/pdf/2002/section08.pdf>
14. Cook, J. C. and J. C. Neal. 2001. Effects of herbicides and application timing on rooting of azalea and Japanese holly cuttings. Proc. Southern Nursery Assoc. Res. Conf. 46:422-424.
15. Neal, J. C. and C. R. Adkins. 2001. Comparison of glyphosate and clopyralid for mugwort (*Artemisia vulgaris*) control in field-grown nursery crops. Proc. Southern Nursery Assoc. Res. Conf. 46:420-421.
16. Wooten, R. E. and J. C. Neal. 2001. Preemergence weed control in container ornamentals using flumioxazin. Proc. Southern Nursery Assoc. Res. Conf. 46:425-426.
17. Judge, C. A. and J. C. Neal. 2000. Susceptibility of common nursery weeds to preemergence herbicides. Proc. Southern Nursery Assoc. Res. Conf. 45:370-374
18. Neal, J. C. and R. L. Wooten. 2000. Sicklepod (*Cassia obtusifolia*) control in field nursery stock. Proc. Southern Nursery Assoc. Res. Conf. 45:366-369.
19. Penny, G. M. and J. C. Neal. 2000. Weed scouting in container nurseries. Southern Nursery Assoc. Res. Conf. 45:387-389.
20. Wooten, R. E. and J. C. Neal. 2000. Postemergence control of purple nutsedge (*Cyperus rotundus*). Proc. Southern Nursery Assoc. Res. Conf. 45:348-351.
21. Penny, G. M. and J. C. Neal. 1999. Preemergence control of Mulberry weed (*Fatoua villosa*). Proc. Southern Nursery Assoc. Res. Conf. 44:382-384. <http://www.sna.org/content/99resprocsec09.pdf>
22. Wooten R. E. and J. C. Neal. 1999. Postemergence weed control in dormant and semi-dormant perennials. Proc. Southern Nursery Assoc. Res. Conf. 44:408-411.
23. Neal, J. C. 1997. Dinitroaniline herbicide comparison on container-grown herbaceous perennials. Proc. Southern Nursery Assoc. Research Conf. 42:326-328.
24. Darden, J. and J. C. Neal. 1999. Granular herbicide application uniformity and efficacy in container nurseries. Proc. Southern Nursery Assoc. Res. Conf. 44:427-430.
25. Bellinder, R.R., M. P. Pritts, I. A. Merwin, and J.C. Neal. 1991. Horticultural weed control in the United States in the nineties. Brighton Crop Protection Conf. – Weeds. 581-590.

## Extension Publications:

Reviewed and Edited Cooperative Extension Bulletins and manuals

1. Moore, K.A., J. Neal, and L.K. Bradley. 2022. Weeds, Chapter 6. In: K.A. Moore, and L.K. Bradley (eds), *North Carolina Extension Gardener Handbook*, 2nd ed. NC State Extension, Raleigh, NC. <http://content.ces.ncsu.edu/6-weeds>
2. Fair, B, S. Frank, M. Martin, G. Miller and J. Neal. 2021. Landscape Management Calendar. NC Cooperative Extension publication AG-527 [https://content.ces.ncsu.edu/static/publication/js/pdf\\_js/web/viewer.html?slug=landscape-management-calendar](https://content.ces.ncsu.edu/static/publication/js/pdf_js/web/viewer.html?slug=landscape-management-calendar)
3. Chong, J.C., J.C Neal, J. Williams-Woodward. (eds.). 2017 Southeastern US Pest Control Guide for Nursery Crops and Landscape Plantings (205 pages). UNC Press and on-line at : <https://content.ces.ncsu.edu/southeastern-us-pest-control-guide-for-nursery-crops-and-landscape-plantings>
4. Neal, J. C., J. F. Derr and S. C. Marble. 2017. Weed management in shrub production. In: Chappel, M. ed. IPM for Shrubs in Southeastern US Nursery Production. Vol II. ([https://wiki.bugwood.org/IPM\\_Shrub\\_Book\\_II](https://wiki.bugwood.org/IPM_Shrub_Book_II))
5. Neal, J. C. and J. F. Derr. 2014. Weed management in shrub production. In: White, S. ed. IPM for Shrubs in Southeastern US Nursery Production: Vol I. Chapter 6. pp 161-175. [http://wiki.bugwood.org/IPM\\_Shrub\\_Book](http://wiki.bugwood.org/IPM_Shrub_Book) (accessed 4/2014)
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