

Mr. Roger B. Batts - Publications

1. Refereed Journal Articles

1. Mitchem, W. E., A. C. York, and R. B. Batts. 1995. Evaluation of chlorimuron as a growth regulator for peanut. *Peanut Sci.* 22:62-66.
2. Mitchem, W. E., A. C. York, and R. B. Batts. 1996. Peanut response to prohexadione calcium, a new plant growth regulator. *Peanut Sci.* 23:1-9.
3. York, A. C., R. B. Batts, and A. S. Culpepper. 1996. Response of peanut to PGR-IV growth regulator. *Peanut Sci.* 23:54-57.
4. Culpepper, A. S., A. C. York, R. B. Batts, and K. M. Jennings. 1997. Sicklepod (*Senna obtusifolia*) management in an ALS-modified soybean (*Glycine max*). *Weed Technol.* 11:164-170.
5. Jennings, K. M., A. C. York, R. B. Batts, and A. S. Culpepper. 1997. Sicklepod (*Senna obtusifolia*) and entireleaf morningglory (*Ipomoea hederacea* var. *integriuscula*) management in soybean (*Glycine max*) with flumetsulam. *Weed Technol.* 11:227-234.
6. Batts, R. B. and A. C. York. 1997. Weed management in no-till cotton (*Gossypium hirsutum*) with thiazopyr. *Weed Technol.* 11:580-585.
7. Culpepper A. S., D. L. Jordan, A. C. York, and R. B. Batts. 1997. Peanut response to prohexadione calcium as affected by cultivar and digging date. *Peanut Sci.* 24:85-89.
8. Jordan, D. L., A. S. Culpepper, R. B. Batts, and A. C. York. 1998. Response of virginia-type peanut cultivars to norflurazon. *Peanut Sci.* 25:4-7.
9. Gimenez, A. E., A. C. York, J. W. Wilcut, and R. B. Batts. 1998. Annual grass control by glyphosate plus bentazon, chlorimuron, fomesafen, or imazethapyr mixtures. *Weed Technol.* 12:134-136.
10. Culpepper, A. S., A. C. York, K. M. Jennings, and R. B. Batts. 1998. Interaction of bromoxynil and postemergence graminicides on large crabgrass (*Digitaria sanguinalis*). *Weed Technol.* 12:554-559.
11. Culpepper, A. S., A. C. York, R. B. Batts, and K. M. Jennings. 2000. Weed management in glufosinate- and glyphosate-resistant soybean (*Glycine max*). *Weed Technol.* 14:77-88.
12. York, A. C., D. L. Jordan, R. B. Batts, and A. S. Culpepper. 2000. Cotton response to imazapic and imazethapyr applied to a preceding peanut crop. *Journ. Cotton Sci.* 4:210-216.
13. Culpepper, A. S., A. E. Gimenez, A. C. York, R. B. Batts, and J. W. Wilcut. 2001. Morningglory (*Ipomoea* spp.) and large crabgrass (*Digitaria sanguinalis*) control with glyphosate and 2,4-DB mixtures in glyphosate-resistant soybean (*Glycine max*). *Weed Technol.* 15:56-61.
14. Bradley, A. L., A. C. York, F. H. Yelverton, A. S. Culpepper, and R. B. Batts. 2001. Fluometuron carryover to flue-cured tobacco following application to cotton. *Journ. Cotton Sci.* 5:184-196.
15. Lancaster, S.H., D.L. Jordan, J.F. Spears, A.C. York, J.W. Wilcut, D.W. Monks, R.B. Batts, and R.L. Brandenburg. 2005. Sicklepod (*Senna obtusifolia*) control and seed production following 2,4-DB applied alone and with fungicides or insecticides. *Weed Technol.* 19:451-455.
16. MacRae, A.W., D. W. Monks, R. B. Batts, and A. C. Thornton. 2007. Sweetpotato tolerance to thifensulfuron applied postemergence. *Weed Technol.* 21:928-931.
17. MacRae, A.W., D. W. Monks, R. B. Batts, and A. C. Thornton. 2007. Sweetpotato tolerance to halosulfuron applied postemergence. *Weed Technol.* 21:993-996

Abstracts

Presentations:

1. Batts, R. B. and A. C. York. 1994. Weed management in cotton with thiazopyr. Proc. South. Weed Sci. Soc. 47:40.
2. Batts, R. B., A. C. York and J. W. Wilcut. 1995. Pursuit and Cadre carryover in peanut/cotton rotations. Proc. Amer. Peanut Res. Ed. Soc. 27:59.
3. Batts, R. B. and A. C. York. 1996. Weed management in sethoxydim-tolerant corn. Proc. South. Weed Sci. Soc. 49:37.
4. Batts, R. B., A. C. York, F. H. Yelverton, and A. L. Bradley, Jr. 1998. Potential for Cotoran carryover to flue-cured tobacco. Proc. Beltwide Cotton Conf. p.873.
5. Bradley, A. L., Jr., R. B. Batts, A. C. York, and F. H. Yelverton. 1999. Potential for Cotoran to carry over to flue-cured tobacco. Proc. South. Weed Sci. Soc. P.19.
6. Batts, R. B., A. S. Culpepper, and K. L. Lewis. 2001. Evaluation of halosulfuron in bareground watermelon culture. Proc. South. Weed Sci. Soc. 54:78.
7. Batts, R. B. and A. S. Culpepper, 2003. Potential herbicides for use in okra (*Abelmoschus esculentus* L. (Moench)). Proc. South. Weed Sci. Soc. 56:114
8. Batts, R. B., A. C. York, and R. G. Parker, 2003. Verification of resistance to ALS-inhibitors in a North Carolina Cocklebur (*Xanthium strumarium*). Proc. South. Weed Sci. Soc. 56:334
9. Batts, R. B., and A. W. MacRae. 2004. Evaluation of Outlook (dimethenamid-p) applied to seeded dry-bulb onion in North Carolina. Proc. South. Weed Sci. Soc. 57:147
10. Batts, R. B. and A. S. Culpepper. 2004. Okra (*Abelmoschus esculentus* (L.) Moench) response to several broadleaf herbicides used in cotton (*Gossypium hirsutum*). Proc. Weed Sci. Soc. Am. 44:57
11. Batts, R. B. and A. S. Culpepper. 2004. Tolerance of okra (*Abelmoschus esculentus*) to several cotton herbicides. HortScience 39:657
12. Batts, R. B. and A. W. MacRae. 2006. Sandea/soil insecticide interaction studies in North Carolina potatoes. Proc. SR-ASHS (in press)
13. Batts, R. B. and A. W. MacRae. 2006. Halosulfuron and soil-applied insecticide effect on yield and grade of Irish potatoes (*Solanum tuberosum*). Proc. Weed Sci. Soc. Am. 46:63-64.
14. Batts, R.B., A. W. MacRae, and J. B. Beam. 2007. Pumpkin response to
15. halosulfuron, fomesafen, and terbacil. Proc. Northeast Weed Sci. Soc. 61:92
16. Batts, R.B., R. W. Wallace, and A. K. Petty. 2008. Snap bean (*Phaseolus vulgaris*) response to postemergence applications of acifluorfen, bentazon, and bentazon. Proc. Northeast Weed Sci. Soc. (in press).
17. Batts, R.B., R. W. Wallace, and A. K. Petty. 2008. Evaluation of postemergence
18. acifluorfen, bentazon, and fomesafen applied to snap bean (*Phaseolus vulgaris*).
19. Proc. Sou. Weed Sci. Soc. (in press)

Other Abstracts:

1. Culpepper, A. S., A. C. York, K. M. Jennings, and R. B. Batts. 1998. Bromoxynil/graminicide interactions on large crabgrass (*Digitaria sanguinalis*). *Proc. South. Weed Sci. Soc.* 51:45.
2. Spivey, B. M., A. C. York, and R. B. Batts. 1999. Weed management in sethoxydim resistant corn. *Proc. South. Weed Sci. Soc.* 52:25.
3. Culpepper, A. S., A. C. York, R. B. Batts, and K. M. Jennings. 1999. Weed management systems in Liberty Link and Roundup Ready soybean. *Proc. South. Weed Sci. Soc.* 52:56.
4. York, A. C., A. S. Culpepper, and R. B. Batts. 2000. Are preemergence herbicides needed in Roundup Ready (glyphosate-tolerant) cotton. *Proc. Beltwide Cotton Conf.* p. 1472.
5. Crooks, H. L., A. C. York and R. B. Batts. 2000. Comparison of management systems in conventional and herbicide-resistant corn hybrids. *Proc. South Weed Sci. Soc.* 53:1
6. Culpepper, A. S., A. C. York, and R. B. Batts. 2000. Use of preemergence herbicides in glyphosate-tolerant cotton. *Proc. South. Weed Sci. Soc.* 53:25.
7. Jordan, D. L., A. S. Culpepper, J. A. Treadway, R. B. Batts, and A. C. York. 2000. Influence of fungicides on efficacy of Select and 2,4-DB. *Proc. South Weed Sci. Soc.* 53:38.
8. York, A. C., S. A. Culpepper, R.B. Batts, and J. D. Hinton. 2001. Strip-till cotton response to 2,4-D and dicamba applied at burndown. *Proc. Beltwide Cotton Conf.* 54:1214-1215.
9. Culpepper, A. S., R. B. Batts, and K. L. Lewis. 2001. Watermelon (*Citrullus lanatus*) tolerance and weed management using halosulfuron at-plant and postemergence in Georgia and North Carolina. *Proc. Weed Sci. Soc. Amer.* 41:11-12
10. MacRae, A. W., W. E. Mitchem, R. B. Batts, and D. W. Monks, 2002. Peach tree (*Prunus persica*) response to flumioxazin, halosulfuron, and sulfentrazone. *Proc South Weed Sci. Soc.* 55:71
11. MacRae, A. W., D. W. Monks, R. B. Batts, J. K. Buckelew, and A. C. Thornton. 2004. Sweetpotato tolerance to POST applications of CGA362622, halosulfuron, and thifensulfuron-methyl. *Proc. South. Weed Sci. Soc.* 57:138
12. Monks, D.W. and R. B. Batts. 2005. The role of IR-4 in herbicide labeling. *Proc. South. Weed Sci. Soc. Proc. Sou. Weed Sci. Soc* 58:288
13. MacRae, A. W., R. B. Batts, D. W. Monks, B. Silvey, K. M. Jennings, A. C. Thornton, and J. K. Buckelew. 2005. Sweetpotato tolerance to post-transplant applications of halosulfuron in combination with two soil and four foliar insecticides. *Proc. Weed Sci. Soc. Amer.* 45:24
14. Batts, R. B., A. W. MacRae, D. W. Monks, B. Silvey, K. M. Jennings, A. C. Thornton, and J. K. Buckelew. 2005. Sweetpotato tolerance to pre-transplant and post-transplant applications of halosulfuron. *Proc. Weed Sci. Soc. Amer.* 45:25
15. Jennings, K. M., A. W. MacRae, R. B. Batts, D. W. Monks, B. Silvey, A. C. Thornton, and J. K. Buckelew. 2005. Sweetpotato tolerance to pre-transplant and post-transplant applications of trifloxysulfuron. *Proc. Weed Sci. Soc. Amer.* 45:25
- 16.
17. MacRae, A.W., R. B. Batts, J. B. Beam, A.S.Culpepper, and J. C. Garner. 2007.
18. The effect of fomesafen, halosulfuron, and terbacil on pumpkin in Georgia and
19. North Carolina. *Proc. Sou. Weed Sci. Soc.* 60:147
20. Beam, J.B., R. Batts, and W. Mitchem. 2008. Squash response to fomesafen, halosulfuron, metolachlor, and terbacil applied at planting. *Proc. Northeast Weed Sci. Soc.* (in press)

Popular and Miscellaneous Articles:

Know your weeds. Roger Batts, David Monks, and Wayne Mitchem in January 2005 American Vegetable Grower

Thesis:

Integration of thiazopyr into weed management systems in cotton (*Gossypium hirsutum*). Crop Science Dept., NCSU, 1997.