

**DEPARTMENT OF PLANT AND SOIL SCIENCE
TEXAS TECH UNIVERSITY
LUBBOCK, TX 79409-2122
CURRICULUM VITAE**

Dick L. Auld
Rockwell Professor

Education:

Ph.D. Montana State University. 1976. Plant Science, Genetics and Breeding.
M.S. New Mexico State University. 1974. Agronomy and Plant Breeding.
B.S. New Mexico State University. 1970. Agronomy.

Professional Experience:

Rockwell Professor, Texas Tech University. 2006.
Professor and Department Chair. Texas Tech University. 1991-2006
Professor. University of Idaho. 1986-91.
Associate Professor. University of Idaho. 1981-86.
Assistant Professor. University of Idaho. 1976-81.
Graduate Research Assistant. Montana State University. 1973-76.
Graduate Research Assistant. New Mexico State University. 1972-73.
Infantry Officer. U.S. Army-101st Airborne. 1971-72.
Survey Entomologist. New Mexico Department of Agriculture. 1970.

Professional and Honorary Societies:

Alpha Zeta
Gamma Sigma Delta
American Society of Agronomy
Crop Science Society of America
Western Society of Crop Science

Honors and Awards:

Honors:

Outstanding Alumnus. New Mexico State University. 1988.
Golden Key National Honor Society. Honorary Member. 1993.
Western Society of Crop Science. President. 1994.
American Society of Agronomy. Fellow. 1996.
Crop Science Society of America. Fellow. 1997.

Awards:

R. M. Wade Outstanding Teacher Award. University of Idaho. 1982.
ASUI Outstanding Faculty Award. University of Idaho. 1984.
Alumni Award for Faculty Excellence. New Mexico State University. 1984.
Burlington Northern Teaching Award. University of Idaho. 1986.
Agricultural Student Council's Teacher of the Semester. TTU. Spring. 1994.
Public Service Award. Texas Association of Crop Consultants. 1998.

Distinguished Service Award. Texas Seed Trade Association. 1999.
 Distinguished Army ROTC Graduate. New Mexico State University. 2005.
 Rockwell Professorship. Texas Tech University. 2006.
 Big 12 "Hero Award". Big 12 Center for Economic Development. 2007.

Principal Research Interests:

Diversification of American agriculture by development of new commercial cultivars and germplasm population of crops with enhanced markets and potential utilization as renewable fuels and biopolymers.

Books and Book Chapters (Career Total of 9):

1. Auld, D. L., 1978. Correspondence Study Guide. *In: Biology C351--General Genetics*. Univ. of Idaho.
2. Auld, D. L., D. R. Brady, L. A. Field, and H. L. Blain. 1989. World uses of domestically produced dry field peas, lentils, and chickpeas. *In: Food Uses of Whole Oil and Protein Seeds*. F. W. Lusas, D. R. Erickson, and W. K. Nip (eds.). American Oil Chemist Society. p. 305-316.
3. Raymer, P. L., D. L. Auld, and K. A. Mahler. 1990. Agronomy of Canola in the United States. *In: Rapeseed/Canola: Production Chemistry, Nutrition and Processing Technology*. F. Shahidi (ed.). Van Nostrand Reinhold, New York, NY. Chapter 3. p. 25-36.
4. Auld, D. L. 1990. III. The role of plant genetics. *In: Canola in the United States: Impact of a New Oil 1990-2000*. Exclusive Report prepared by Experience, Inc. Minneapolis, MN.
5. Auld, D. L. 1991. Development of New Crops in the Western United States. *In: New Crops*. Jules Janick and James E. Simon (eds.). John Wiley and Sons, Inc. p. 95-99.
6. Auld, D. L. 1992. Rapeseed and Canola. *In: 1992 Yearbook of Science and Technology*. McGraw-Hill. New York. p. 389-391.
7. Lowery, C. C., D. L. Auld, R. D. Rolfe, T. A. McKeon, and J. W. Goodrum. 2007. Barriers to the Commercialization of a Castor Cultivar with Reduced Concentration of Ricin. *In: Issues in New Crops and New Uses*. Jules Janick & Anna Whipkey (ed.). Proc. of Sixth National Symposium. ASHS Press. Alexandria, VA. P.97-100.
8. Auld, D. L., G. G. Light, M. Fokar, R. D. Allen and E. Bechere. 2008. Mutagenesis Systems for Genetic Analysis of *Gossypium*. In. "Genomics of Cotton". A. H. Paterson (ed.). Springer Science Publishing, New York, NY. (In Press).

9. Auld, D. L., M. D. Zanotto, T. A. McKeon, and J. P. Morris. 2009. Castor. In. "Oil Crop Breeding". J. Vollman and I. Rajcan. (ed.). Springer Science Publishing, New York, N.Y. (In Press).

Refereed Publications (Career Total of 82):

1. Auld, D. L., R. L. Ditterline, D. E. Mathre, and S. G. Metz. 1976. Pathogenicity of *Fusarium solani* on sainfoin (*Onobrychis viciifolia*). Plant Disease Reporter 60:666-669.
2. Auld, D. L., R. L. Ditterline, and D. E. Mathre. 1977. Screening for resistance to root and crown caused by *Fusarium solani* (Mart.) Appel and Wr. Crop Science 17:69-73.
3. Auld, D. L., G. A. Murray, L. E. O'Keeffe, and D. Markarien. 1978. Registration of Melrose pea. Crop Science 18:913.
4. Nouri-Ghanbalani, G., D. L. Auld, L. E. O'Keeffe, and A. R. Campbell. 1984. Inheritance of resistance to the adult pea leaf weevil in Austrian winter peas. Crop Science 18:858-860.
5. Blanchette, B. L. and D. L. Auld. 1978. Screening field peas for resistance to white mold. Crop Science 18:977-979.
6. Auld, D. L., L. E. O'Keeffe, G. A. Murray, and J. H. Smith. 1980. Diallel analyses of resistance to the adult pea leaf weevil in peas. Crop Science 20:760-766.
7. Hillstrand, D. S. and D. L. Auld. 1982. Comparative evaluation of four techniques for screening winter peas for resistance to *Phoma medicaginis* var. *pinodella*. Crop Science 22:282-287.
8. Bettis, B. L., C. L. Peterson, D. L. Auld, D. J. Driscoll, and E. D. Peterson. 1982. Fuel characteristics of vegetable oil from oilseed crops in the Pacific Northwest. Agronomy J. 74:335-339.
9. Auld, D. L., B. L. Bettis, M. J. Dial, and G. A. Murray. 1982. Austrian winter and spring peas as green manure crops in northern Idaho. Agronomy J. 74:1047-1050.
10. Thomas, V. M., R. J. Katz, D. L. Auld, C. F. Peterson, and E. E. Steele. 1983. Nutritional value of expeller extracted rape and safflower oilseed meals for poultry. Poultry Science 62:882-886.
11. Auld, D. L., G. A. Murray, M. J. Dial, J. E. Crock, and L. E. O'Keeffe. 1983. Glacier field pea. Crop Science 23:803.

12. Auld, D. L., K. J. Adams, J. B. Swensen, and G. A. Murray. 1983. Diallel analyses of winter hardiness in peas. *Crop Science* 23:763-766.
13. Auld, D. L., R. L. Ditterline, G. A. Murray, and J. B. Swensen. 1983. Screening peas for winter hardiness under field and laboratory conditions. *Crop Science* 23:85-88.
14. Peterson, C. L., G. L. Wagner, and D. L. Auld. 1983. Vegetable oil substitutes for fuel. *Trans. of American Society of Agricultural Engineering* 26:322-327.
15. Peterson, C. L., D. L. Auld, and J. C. Thompson. 1983. Experiments with vegetable oil expression. *Trans. of American Society of Agricultural Engineering* 26:1298-1302.
16. Peterson, C. L., D. L. Auld, and R. A. Korus. 1983. Winter rape oil fuel for diesel engines: Recovery and utilization. *J. of American Oil Chem. Society* 60:1579-1587.
17. Auld, D. L., B. L. Bettis, and M. J. Dial. 1984. Planting date and cultivar effect on winter rape production. *Agronomy J.* 76:197-200.
18. Murray, G. A., J. B. Swensen, and D. L. Auld. 1984. Influence of seed size on the performance of Austrian winter field peas. *Agronomy J.* 76:595-598.
19. Auld, D. L., J. E. Crock, M. J. Silbernagel, B. L. Bettis, and G. Singh. 1985. Registration of Lyons and Aztec chickpeas. *Crop Science* 25:365.
20. Bowden, R. L., M. V. Wiese, J. E. Crock, and D. L. Auld. 1985. Root rot of chickpeas and lentils caused by *Thielaviopsis basicola*. *Plant Disease* 69:1089-1091.
21. Liesenfeld, D. R., D. L. Auld, G. A. Murray, and J. B. Swensen. 1986. Transmittance of winter hardiness in segregated populations of peas. *Crop Science* 26:49-54.
22. Auld, D. L., K. A. Mahler, B. L. Bettis, and J. C. Crock. 1987. Registration of Bridger Rapeseed. *Crop Science* 27:1309-1310.
23. Auld, D. L., K. A. Mahler, J. C. Crock, and B. L. Bettis. 1987. Registration of Cascade rapeseed. *Crop Science* 27:1310.
24. Murray, G. A. and D. L. Auld. 1987. Effect of seeding rate, row spacing and seed size on chickpea yield and seed size. *J. Applied Seed Production* 5:10-17.
25. Auld, D. L., D. A. Erickson, M. K. Heikkinen, and L. A. Field. 1988. Registration of five winter hardy pea germplasm lines. *Crop Science* 28:872-873.

26. Auld, D. L., D. A. Erickson, L. A. Field, M. J. Dial, J. C. Crock, and M. K. Heikkinen. 1988. Registration of foliar near isoline germplasms of *Af*, *St*, and *Tl* in three cultivars and one breeding line of winter pea. *Crop Science* 28:579-580.
27. Auld, D. L., B. L. Bettis, J. E. Crock, and K. D. Kephart. 1988. Planting date and temperature effects on germination, emergence, and seed yield of chickpeas. *Agronomy J.* 80:909-914.
28. Mahler, R. L. and D. L. Auld. 1989. Evaluation of the green manure potential of Austrian winter peas in northern Idaho. *Agronomy J.* 81:258-264.
29. Auld, D. L., K. A. Mahler, and D. J. LeTourneau. 1989. Evaluation of four *Brassica* germplasm collections for fatty acid composition. *J. American Oil Chem. Society* 66:1475-1479.
30. Auld, D. L., L. A. Field, W. W. Roath, J. J. Caroline, and G. E. Auwarter. 1989. Registration of two sunflower germplasm populations. *Crop Science* 29:1583-1584.
31. Lancaster, L. L., C. W. Hunt, J. C. Miller, D. L. Auld, and M. L. Nelson. 1990. Effects of rapeseed silage variety and dietary level of digestion and growth performance of beef steers. *J. Animal Science* 68:3812-3820.
32. Auld, D. L., K. A. Mahler, D. A. Erickson, P. L. Raymer, and J. L. Butler. 1991. Registration of "Rebel" rapeseed. *Crop Science* 31:485-486.
33. Auld, D. L., K. A. Mahler, D. A. Erickson, P. L. Raymer, and J. L. Sernyk. 1991. Registration of two rapeseed germplasm populations. *Crop Science* 31:493-494.
34. Auld, D. L., D. A. Erickson, L. A. Field, and W. W. Roath. 1991. Registration of a sunflower restorer germplasm population. *Crop Science* 31:500-501.
35. Auld, D. L., M. K. Heikkinen, D. A. Erickson, and J. L. Sernyk. 1991. Registration of "Cathy" rapeseed. *Crop Science* 31:1711-1712.
36. Brown, P. D., M. J. Morra, J. P. McCaffrey, D. L. Auld, and L. Williams, III. 1991. Allelochemicals produce during glucosinolate degradation in soil. *J. Chem. Ecology.* p. 2021-2034.
37. Perkins, L. A., C. L. Peterson, and D. L. Auld. 1991. Durability testing of transesterfied winter rape oil (*Brassica napus* L.) as fuel in small bore, multi-cylinder, DI, CI engines. SAE Technical Paper No. 911764. Reprint SAE 1991 Transactions. *J. Fuels and Lubricants.* Fall 1992.

38. Peterson, C. L. and D. L. Auld. 1991. Technical overview of vegetable oil as a transportation fuel. Solid Fuel Conversion for Transportation Sector, Fact-Vol. 12, ASME, New York, NY.
39. Peterson, C. L., M. Feldman, R. Korus, and D. L. Auld. 1991. Batch type transesterification process for winter rape oil. Applied Engineering in Agriculture 7:711-716.
40. Adamsen, F. J., D. M. Porter, and D. L. Auld. 1992. Effects of Rapeseed Meal Soil Amendments on Microsclerotia of *Cylindrocladium crotalariae* in Naturally Infested Soil. Peanut Science 19:92-94.
41. Auld, D. L., M. K. Heikkinen, D. A. Erickson, and J. L. Sernyk. 1992. Registration of LEI III rapeseed. Crop Science 32:1067.
42. Auld, D. L., M. K. Heikkinen, D. A. Erickson, J. L. Sernyk, and J. E. Romero. 1992. Mutants of rapeseed with reduced levels of linoleic and linolenic fatty acids. Crop Science 32:657-662.
43. Auld, D. L., K. A. Mahler, D. A. Erickson, and P. L. Raymer. 1992. Registration of Humus rapeseed. Crop Science 32:1068.
44. Auld, D. L., K. A. Mahler, D. A. Erickson, and P. L. Raymer. 1992. Registration of Aspen rapeseed. Crop Science 32:1069.
45. Johnson, A. W., A. M. Golden, D. L. Auld, and D. R. Sumner. 1992. Effects of rapeseed and vetch as green manure crops and fallow on nematodes and soil-borne pathogens. J. Nematology 24:117-126.
46. Shafii, B., K. A. Mahler, W. J. Price, and D. L. Auld. 1992. Genotype and environment interaction effects on winter rapeseed yield and oil content. Crop Science 32:922-927.
47. Tonnemaker, K. A., D. L. Auld, D. C. Thill, C. A. Mallory-Smith, and D. A. Erickson. 1992. Development of sulfonylurea resistant rapeseed using chemical mutagenesis. Crop Science 32:1387-1391.
48. Auld, D. L., N. W. Hopper, R. E Zartman, F. Gaitan-Gaitan, and T. G. Long. 1996. Evaluation of alternative cover crops for cotton on the Southern High Plains of Texas. Texas J. Agriculture and Natural Resources 9:1-15.
49. Rife, C. L., D. L. Auld, W. D. Stegmeier, H. D. Sunderman, W. F. Heer, J. P. Salgado, D. D. Baltensperger, D. L. Johnson, and H. C. Minor. 1997. Registration of KS 3579 winter rapeseed germplasm. Crop Science 37:1395.

50. Brown, J., J. B. Davis, A. P. Brown, D. A. Erickson, L. Seip, and D. L. Auld. 1998. Registration of 'Selkirk' winter rapeseed. *Crop Science* 38:541-542.
51. Brown, J., D. A. Erickson, J. B. Davis, A. P. Brown, L. Seip, and D. L. Auld. 1998. Registration of 'Ericka' winter rapeseed. *Crop Science* 38:543.
52. Gaitan-Gaitan, F., C. B. McKenney, and D. L. Auld. 1998. Effect of burrs vs. caryopses and planting date on establishment of seeded buffalograss in the Southern Great Plains. *Crop Science* 38:795-800.
53. Muehlbauer, F. J., D. L. Auld, and J. M. Kraft. 1998. Registration of 'Granger' Austrian winter pea. *Crop Science* 38:281.
54. Gaitan-Gaitan, F., C. B. McKenney, and D. L. Auld. 1999. Planting date and caryopses effect on establishment of buffalograss on the Southern Great Plains. *J. Turfgrass Management* 3:1-11.
55. Kenworthy, K. E., D. L. Auld, D. B. Wester, R. E. Durham, and C. B. McKenney. 1999. Evaluation of buffalograss germplasm for interactions of fall dormancy and spring green-up. *J. Turfgrass Management* 3:23-42.
56. Pinkerton, S. D., R. Rolfe, D. L. Auld, V. Ghetie, and B. F. Lauterbach. 1999. Selection of castor for divergent concentrations of ricin and *Ricinus communis* agglutinin. *Crop Science* 39:353-357.
57. Rife, C. L., D. L. Auld, H. D. Sunderman, W. F. Heer, D. D. Baltensperger, D. L. Johnson, D. Bordovsky, and H. C. Minor. 1999. Registration of KS1701 winter rapeseed germplasm. *Crop Science* 39:1260.
58. Green, C. J., D. L. Auld, C. B. McKenney, T. G. Long, and F. Gaitan-Gaitan. 1999. Effect of soil fertility and cultural practices on burr yield of buffalograss. *Texas J. Agriculture and Natural Resources* 12:51-61.
59. Rife, C. L., D. L. Auld, W. D. Stegmeier, H. D. Sunderman, W. F. Heer, D. D. Baltensperger, L. A. Nelson, D. L. Johnson, D. Bordovsky, and H. C. Minor. 2000. Registration of 'Plainsman' rapeseed. *Crop Science* 40:292-293.
60. Auld, D. L., E. Bechere, M. D. Ethridge, W. D. Becker, E. Hequet, and R. G. Cantrell. 2000. Registration of TTU 202-1107-B and TTU 271-2155-C germplasm lines of cotton with improved fiber quality. *Crop Science* 40:1835-36.
61. Auld, D. L., R. D. Rolfe, and T. A. McKeon. 2001. Development of castor with reduced toxicity. *Journal of New Seeds*. 3(3): 61-69.

62. Rife, C. L., D. L. Auld, H. D. Sunderman, W. F. Heer, D. D. Baltensperger, L. A. Nelson, D. L. Johnson, D. Bordovsky, and H. C. Minor. 2001. Registration of "Wichita" rapeseed. *Crop Science* 41:263-264.
63. Johnson, P. G., K. E. Kenworthy, D. L. Auld, and T. P. Riordan. 2001. Distribution of buffalograss polyploid variation in the Southern Great Plains. *Crop Science* 41:909-913.
64. Maurer, M.A., D. L. Auld, C.L. Murphy, C. B. McKenney, P.G. Johnson, and K.E. Kenworthy. 2001. Evaluation of twenty-six buffalograss cultivars and accessions for use as turfgrass on the High Plains of West Texas. *Texas J. Agriculture and Natural Resources* 14:24-36.
65. Lockett, L., T. Montague, C. McKenney, and D. Auld. 2002. Assessing public opinion on water conservation and water conserving landscapes in the semiarid Southwestern United States. *HortTechnology* 12:392-396.
66. Peabody, P.J., P.N. Johnson, D.L. Auld, E. Bechere. 2002. Profitability of short season cotton genotypes on the High Plains of Texas. *Texas J. Agriculture and Natural Resources* 15:7-14.
67. Maurer, M. A., D. L. Auld, C. L. Murphy, and C. B. McKenney. 2002. Evaluation of nineteen Zoysiagrass turfgrass cultivars on the Texas High Plains. *Texas J. of Agriculture and Natural Resources*. Vol. 15:51-59.
68. Auld, D.L., S.D. Pinkerton, E. Boroda, K.A. Lombard, C.K. Murphy, K.E. Kenworthy, W.D. Becher, R.D. Rolfe and V. Ghetic. 2003. Registration of TTU-LRC castor germplasm with reduced levels of ricin and RCA₁₂₀. *Crop Sci.* 43:746-747.
69. Balch, S.A., C.B. McKenney, D. L. Auld. 2003. Evaluation of gamma-linolenic acid composition of evening primrose *Oenothera* species native to Texas. *HortScience*. 38(4):595-598.
70. Rife, C. L., D. L. Auld, H. C. Minor, W. F. Heer, D. Baltensperger, L. A. Nelson, and D. Bordovsky. 2003. Registration of 'Abilene' rapeseed. *Crop Science* 43:2306-2307.
71. McKenney, C. B., S. A. Balch, C. Murphy, V. Stoker, and D. L. Auld. 2004. 'Plains' Blackfoot Daisy (*Melampodium leucanthum*). *HortScience* 39(3) 637-638.
72. Herring, A. D., D. L. Auld, M. D. Ethridge, E. F. Hequet, E. Bechere, C. J. Green, and R. G. Cantrell. 2004. Inheritance of fiber quality and lint yield in a chemically mutated population of cotton. *Euphytica* 136: 333-339.

73. He, C., J. Yan., G. Shen, L. Fu, A. S. Holaday, D. Auld, E. Blumwald, and Hong Zhang. 2005. Expression of an arabidopsis vacuolar sodium/proton antiporter gene in cotton improves photosynthetic performance under salt conditions and increases fiber yield in the field. *Plant Cell Physiol.* 46(11) 201-00.
74. Liu, W., A. Hou, E.B. Peffley, D.L. Auld, R.J. Powell. 2006. The inheritance of a basal branching type in guar. *Euphytica* 151:303-309.
75. Bechere, E., D. L. Auld, R. Cantrell, E. Hequet, M. Krifa, S. Misra and C. W. Smith. 2006. Registration of TTU0774-3-3 and TTU 0808-1-6-1 Upland Cotton Germplasm Lines with improved fiber length and strength. *Jour. of Plant Registrations* 1:58-59.
76. Liu, W., E.B. Peffley, R.J. Powell, D. L. Auld, A. Hou. 2007. Association of seedcoat color with seed water uptake, germination, and seed components in guar (*Cyamopsis tetragonoloba* (L.) Taub). *Journal of Arid Environments* 70: 29-38.
77. Auld, D. L., E. Bechere, M. Krifa, H. Kebede, E. Hequet, R. Wright, and S. Misra. 2007. Registration of 'Raider 276', a High Yielding, Improved-Quality Upland Mutant of Cotton Cultivar. *Jour. of Plant Registrations* 1:115.
78. McKenney, C. B., S. A. Balch, and D.L. Auld. 2007. 'Raider Amethyst' Prairie Verbena [*Glandularia bipinnatifida* (Nutt.) Nutt.]. *Hort Science* 42:391-392.
79. Kenworthy, K., D. L. Auld, C. B. McKenney, F. Gaitan-Gaitan, C. C. Lowery, H. Kebede, R. Wright, M. Maurer, and D. Ryan. 2008. Registration of 'Tech Turf I' Buffalograss. *Jour. of Plant Registrations* 2:12.
80. Bechere, E., A. A. Alexander, D. L. Auld, and B. Downer. 2008. Effect of Cultivar Blends on Fiber Quality and Lint Yield in West Texas. *Jour. of Cotton Sci.* 128-15.
81. Niu, C., H. Kebede, D.L. Auld, J. E. Woodward, G. Burow, and R.J. Wright. 2008. A safe, inexpensive method to isolate highquality plant and fungal DNA in an open laboratory environment. *African Jour. of Biotech.* 7:2818-2822.
82. Bechere, E., D.L. Auld, and E. Hequet. 2009. Development of 'naked-tufted seed coat mutants for potential use in cotton production. *Euphytica* (In Press).
83. Maurer, M.A., J.A. Reinert, and D.L. Auld. 2008, Buffalograss (*Buchloe dactyloides*) resistance to the Rhodegrass Mealybug. *Int. Turfgrass Soc. Res. J.* (In Review).

84. Liu, W., E.B. Peffley, A. Hou, and D.L. Auld. 2008. The Inheritance and Variation of Gum Content in Guar (*Cyamopsis Tetragonoloba* (L.) Taub.). *Euphytica* (In Review).

Technical Publications/Popular Articles (Career Total of 96):

1. Campbell, A. R., M. Heikkinen, D. L. Auld, and F. J. Muehlbauer. 1976. Spring and winter pea variety yield trials--1975. Idaho Agricultural Research Progress Report No. 194.
2. Auld, D. L., G. A. Murray, E. R. Mink, and B. W. Studer. 1977. Alternative crops for northern Idaho. Idaho Cooperative Extension Service. CIS No. 380.
3. Auld, D. L., G. A. Murray, J. A. Benson, E. F. Mink, B. W. Studer, and C. G. Van Slyke. 1978. Safflower--A potential crop for northern Idaho. Idaho Cooperative Extension Service. CIS No. 435.
4. Auld, D. L., G. A. Murray, J. A. Benson, B. W. Studer, E. F. Mink, and C. G. Van Slyke. 1978. Alternative crops for northern Idaho--1977. Idaho Agricultural Experiment Station Progress Report No. 203.
5. Auld, D. L., G. A. Murray, L. E. O'Keeffe, A. R. Campbell, and D. Markaien. 1978. Melrose-Austrian Winter Peas. *Pisum Newsletter* 10:106.
6. Murray, G. A., D. L. Auld, J. A. Benson, C. G. Van Slyke, B. W. Studer, and E. W. Owens. 1978. Potential sunflower production in Idaho. Idaho Cooperative Extension Service. CIS No. 434.
7. Murray, G. A., D. L. Auld, J. M. Kraft, G. A. Lee, F. J. Muehlbauer, and L. E. O'Keeffe. 1978. Dry pea and lentil production in the Pacific Northwest. Idaho Agricultural Experiment Station Bulletin No. 578.
8. Slinkard, A. E., G. A. Murray and D. L. Auld. 1978. The Austrian winter field pea industry in Idaho. *Pisum Newsletter* 10:79.
9. Auld, D. L., G. A. Murray and L. E. O'Keeffe. 1979. Melrose Austrian winter pea. Idaho Cooperative Extension Service. CIS No. 497.
10. Auld, D. L., G. A. Murray, G. F. Carnahan, J. A. Benson, and B. W. Studer,. 1980. Flax. mustard, spring rape: Alternative crops for Idaho's cooler region? Idaho Cooperative Extension Service. CIS No. 524.
11. Blanchette, B. L. and D. L. Auld. 1980. New techniques to screen pea seedlings for resistance to *Sclerotinia* white mold. *Pisum Newsletter* 12:3-6.
12. Murray, G. A. and D. L. Auld. 1980. Spring-planted Austrian winter peas. Idaho Cooperative Extension Service. CIS No. 526.

13. Peterson, C. L., D. L. Auld, V. M. Thomas, R. V. Withers, S. M. Smith, and B. L. Bettis. 1980. Vegetable oil as an agricultural fuel for the Pacific Northwest. Idaho Cooperative Extension Service. CIS No. 598.
14. Smith, J. H., L. E. O'Keeffe, D. L. Auld, F. J. Muehlbauer, G. A. Murray, G. Nouri-Ghanbalani, and M. Johnson. 1980. Insect resistance in dry peas: Progress report 1976-1979. Idaho Agricultural Experiment Station Progress Report No. 212.
15. Auld, D. L. and M. J. Dial. 1981. The effect of tillage on performance of Austrian winter pea lines. Idaho Agricultural Experiment Station Progress Report No. 218.
16. Auld, D. L. and G. A. Lee. 1981. Chickpeas: A potential new pulse crop for northern Idaho. Idaho Cooperative Extension Service. CIS No. 570.
17. Auld, D. L. and G. A. Murray. 1981. Lentil variety testing. Idaho Agricultural Experiment Station Progress Report No. 217.
18. Auld, D. L., G. A. Murray, L. E. O'Keeffe, G. A. Lee, and G. F. Carnahan. 1981. Sunflower: A potential alternative crop for the cooler regions of Idaho. Idaho Cooperative Extension Service. CIS No. 568.
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80. Auld, D. L. 1999. Sustainable agriculture--Panel discussion. CoBank--Rural America Cooperative Bank. Ft. Worth, TX. Nov. 8.
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104. Auld, D. L. 2004. Joint programs of PSS Department with TTU School of Law. Texas Tech University. Lubbock, TX. Apr. 5.
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106. Auld, D. L. 2004. KFRE Radio AM 580. AgEd Show. Jun. 8 and Aug. 1.
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112. Auld, D. L. 2005. Update on PSS Strategic Planning Process. PSS Advisory Committee. Lubbock, TX. June 28.
113. Auld, D. L. 2005. Buffalograss Breeding and Cotton Research Tour and Hosting of Lubbock Ag Chamber of Commerce. Lubbock, TX. Aug. 26.
114. Auld, D. L. 2005. Collaboration of Plant and Soil Science Department with International Textile Center (ITC) – ITC Advisory Board. Lubbock, TX. Sep. 16.

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117. Auld, D. L. 2005. (ASA Presentation). Lubbock, TX. Nov. 8.
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132. Auld, D.L. 2006. Biofuels Interview. Fox 950 News & Talk Show. Live Radio and TV interview. Lubbock, TX. April 20.
133. Auld, D.L. 2006. DNA Days – Student Recruitment Seminar. Area High School Teachers. Lubbock, TX. April 25.
134. Auld, D. L. 2006. Rockwell Professor in Plant & Soil Science - Annual Report. Rockwell Foundation. Houston, TX. May 4.
135. Auld, D.L. 2006. Biofuels Radio Interview. Jim Stewart on 580 AM. Lubbock, TX. May 15.
136. Auld, D.L. and E. Bechere. 2006. Herbicide Tolerance in Cotton. Tour of Field Plots. Dale Carlson -BASF. Lubbock, TX. July 11.
137. Oswald, S. J., D. L. Auld, T.L. Thompson, C.L. Trostle, C. A. R. Demant, and R. C. Johnson. 2007. Optimizing Production of Biodiesel Feedstocks on the Texas High Plains. The Association for the Advancement of Industrial Crops – 19th Annual Meeting. Portland, ME. Oct. 9.
138. Bechere, E., D. L. Auld, P. A. Dotray, and L. V. Gilbert. 2007. Development of Clearfield Cotton through Chemical Mutagenesis. World Cotton Research Conference – 4. Lubbock, Texas. Sept. 13.
139. Lowery, C. C., D. L. Auld, E. Bechere, R. J. Wright, E. Hequet, N. Abidi, and C. W. Smith. 2007. Use of Chemical mtagenesis in Improving Upland Cotton. World Cotton Research Conference – 4. Lubbock, Texas. Sept. 10.

140. Sladek, B. S., J. D. Weeaks, and D. L. Auld. 2007. Evaluation of Zoysiagrass (*Zoysia* spp.) Genotypes for Shade Tolerance and Rate of Spread. Proc. Am. Soc. Agron. Nov. 6.
141. Auld, D. L. 2007. Texas Ready Feedstocks. Second Annual Texas Biodiesel Conference and Exp. Austin, TX. Sept. 6th.
142. Auld, D. L. 2007. Biodiesel Production on the Texas High Plains. South Plains Association of Conservation Districts. Lubbock, TX. Feb. 21.
143. Auld, D. L. 2007. Shadow Turf and Biofuels Commercialization. Lubbock Economic Development Alliance – Newt Hamlin Review. Lubbock, TX. July 11.
144. Auld, D. L. 2007. Biofuels Research. AgLead Program. Lubbock, TX. Nov. 13.
145. Auld, D.L. 2007. Checklist of Successful Industry/University Partnering. Southwest Regional Meeting – American Chemical Society. Lubbock, TX. Nov. 6.
146. Auld, D. L. 2007. Commercialization of the Naked-Tufted Characteristic in Cotton. TTU Technology Transfer and Intellectual Property – Portfolio Review. Lubbock, TX. Nov. 27.
147. Auld, D. L. 2007. Research Needs for Commercial Production of Canola on the Lower Great Plains. U.S. Canola Association Annual Meeting. New Orleans, LA. Nov. 2.
148. Auld, D. L. 2007. Iogen – Potential Biomass Resources on the Texas High Plains. Lubbock, TX. Oct. 11.
149. Auld, D. L. 2007. Potential of Biodiesel as a Regional Energy Resource. Texas Renewable Energy Organizational Forum. Austin, TX. Mar. 21.
150. Auld, D. L. 2007. Commercialization of the Naked-Tufted Trait in Cotton. Big 12 Center for Economic Development, Innovation and Commercialization Conference. Kansas City, KS. Mar. 1, 2007.
151. Auld, D. L. 2007. Cotton Production and Processing. Lubbock, TX. April 24.
152. Auld, D.L. 2008. Oilseed Testing and Germplasm Development at Texas Tech University. Texas AgriLife and Chevron Research Planning Meeting. College Station, TX. Jan. 17.
153. Auld, D.L. 2008. Biodiesel Feedstocks in American Agriculture. Southern Seed Association 89th Annual Convention. St. Pete's Beach, FL. Jan. 27.

154. Auld, D.L. 2008. Renewable Fuel Production in the U.S. Kazan State Agro University – Russian Federation. Lubbock, TX. Feb. 11.
155. Auld, D.L. 2008. Texas Tech University Cotton Genetics Program. Bayer CropScience Research Review. Lubbock, TX. Feb. 29.
156. Auld, D.L. 2008. Castor Genetic Program Overview. EMBRAPA. Campino Grande, Brazil. Mar. 3.
157. Auld, D.L. 2008. Potential Renewable Fuels for the U.S. Osher Life Long Learning Institute. Lubbock, TX. Mar. 11.
158. Auld, D.L. 2008. Castor Research Program Commercialization. Texas Tech Univ. V.P. Research –Special Industry Committee. Lubbock, TX. Apr. 18.
159. Auld, D.L. 2008. The Mamona Mafia. PSS 5001 –Departmental Seminar. Lubbock, TX. Apr. 28.
160. Auld, D. L. 2008. Pacific OceanAir Engineering. Potential for Castor Production in North America. Lubbock, TX. May 13.
161. Auld, D.L. 2008. Potential for Castor Production in North America. American Oil Chemist Society. Seattle, WA. May 20.
162. Auld, D.L. 2008. Texas Grown Oilseed Crops as Feedstocks for Lipid Based Products. BioProduction Texas. Houston, TX. May 21.
163. Auld, D.L. 2008. Chairman Warren Chisum (TX State Legislature) TTU Research Review. Lubbock, TX. May 27.
164. Auld, D.L. 2008. Castor Breeding for Renewable Fuel Feedstocks. Chevron Research Review. College Station, TX. July 14.
165. Auld, D.L. 2008. Production of Castor as a Biofuel Feedstock in North America. ENERALL Field Plot Tour. Yucatan, Mexico. July 24.
166. Auld, D.L. 2008. Cotton & Castor Production. PSS Farm Research Tour. Lubbock, TX. Aug. 8.
167. Auld, D.L. 2008. Buffalograss and Zoysiagrass Breeding. Turfgrass Field Day. Lubbock, TX. Aug. 8.
168. Auld, D.L. 2008. TTU Cotton Genetics Program Research Field Tour. Cotton Inc. Lubbock, TX Aug. 21.

169. Auld, D.L. 2008. Production of Winter Safflower and Castor as Biofuels in the Texas High Plains. Texas High Plains Bioenergy Training. Texas AgriLife Extension. Lubbock, TX. Aug. 27.
170. Auld, D.L. 2008. Renewable Fuels to Increase the Sustainability of American Agriculture. 20th Annual AAIC Meeting. College Station, TX. Sep. 8.
171. Auld, D.L. 2008. Potential Feedstocks for Biodiesel in Texas. Texas Renewable Fuels Association 3rd Annual Meeting. Austin, TX. Sep. 17.
172. Auld, D.L. 2008. Potential Castor Varieties for Northern Mexico. Site Visit for Pacific OceanAir Engineering. Hermosillo, Mexico. Sep. 18.
173. Auld, D.L. 2008. Genetic Improvement of Castor in the Western Hemisphere. ASA-CSSA-SSSA Joint Meetings. Houston, TX. Oct. 8
174. Auld, D.L. 2008. Commercial Production of Ricinoleic Acid in North America. ENERALL & BASF. Lubbock, TX. Nov. 11.
175. Auld, D.L. 2008. Tour of TTU Cotton Research Programs. Mr. Hwe Martin. German Photo-journalist. Lubbock, TX. Dec. 1.
176. Auld, D.L. 2008. Tour of Professor Antonia Figueira, Federal University of Lavras, MG, Brazil. Lubbock, TX. Dec. 11.
177. Auld, D.L. 2008. Production of Winter Safflower and Castor in the Texas High Plains. Texas High Plains Bioenergy Training. Texas AgriLife Extension. Plainview, TX. Dec. 10.

Service and Educational Programs Presentations (Career Total of 45):

1. Auld, D. L. 2000. Career opportunities in Plant and Soil Science. Agricultural Science 1111. Lubbock, TX. Feb. 2.
2. Auld, D. L. 2000. Graduate education and research in the Plant and Soil Science Department. Texas Tech University Development Council. Lubbock, TX. Mar. 23.
3. Auld, D. L. 2000. Educational Programs of the Plant and Soil Science Department. Texas Tech University Student Recruiting. Lubbock, TX. May 9.
4. Auld, D. L. and M. J. Cepica. 2000. Plant and Soil Science and College of Agricultural Sciences and Natural Resources Distance Education Programs. Texas Legislative Review Committee. Lubbock, TX. May 12.
5. Auld, D. L. 2000. Preparation of students for science educational programs. Texas Panhandle Science Teachers. Lubbock, TX. Jun. 6.

6. Auld, D. L. 2000. Cotton research at Texas Tech University. Xinjiang Province Chinese Cotton Training Program. Lubbock, TX. Jul. 13.
7. Auld, D. L. 2000. The role of the department chair in institutions of higher education. Guest lecture for Dr. Al Smith. Texas Tech University Higher Education Program. Aug.
8. Auld, D. L. 2000. Educational programs of the Plant and Soil Science Department. Advance placement high school seniors. Los Alamos, NM. Oct. 12.
9. Auld, D.L. 2002. Careers in Plant and Soil Science. Smyer High School. Smyer, TX. Feb. 1.
10. Auld, D.L. 2002. Program Chair. Texas Seed and Trade Association – Production and Research Conference. Dallas, TX. Feb. 4.
11. Auld, D.L. 2002. Future of agriculture on Texas High Plains. Westminster Presbyterian Men's Association. Golden Coral. Lubbock, TX. Feb. 13.
12. Auld, D.L. 2002. Forward genetics. Guest lecture. Ag Biotech. Lubbock, TX. Feb. 17.
13. Auld, D.L. 2002. AGSC 1111. Texas Tech University. Feb. 25 and Sep. 30.
14. Auld, D.L. 2002. Joint graduate degree programs with Plant Science. Texas Tech School of Law. Mar. 5.
15. Auld, D.L. 2002. Delta Tau Delta service project at Texas Boy's Ranch. ABC Channel 28. Lubbock, TX. Apr. 20.
16. Auld, D.L. 2002. ABC Channel 28. Fraternity's service projects at TTU. Lubbock, TX. Apr. 22.
17. Auld, D.L. 2002. Human Genetics. 4th grade class at Smith Elementary. Lubbock, TX. Apr. 24.
18. Auld, D.L. 2002. TTU Support of corn research. Texas Corn Producers. Lubbock, TX. May 22.
19. Auld, D.L. 2002. Educational opportunities in Plant and Soil Science. NCSSSM (SMART KIDS) Symposium. Lubbock, TX. Jun. 7.
20. Auld, D.L. 2002. PSS Programs. Provost Bill March. Jun. 14.

21. Auld, D.L. 2002. Science Education with PSS 1411 and Tour of Horticulture Greenhouse. Academic Advisors. Texas Tech University. Lubbock, TX. Jun. 14 & Oct. 25.
22. Auld, D.L. 2002. Careers in Plant Science. Upward Bound. Lubbock, TX. Jun. 5.
23. Auld, D.L. 2002. TTU's Jerry S. Rawls Golf Course. KRFE. Guy Warren. Lubbock, TX. Aug. 6.
24. Auld, D.L. 2002. PSS Educational Programs. Agri-Techsan Training. Texas Tech University. Lubbock, TX. Aug. 23.
25. Auld, D.L. 2002. Turfgrass Management on the Jerry S. Rawls Golf Course. Agri-Techsans. Texas Tech University. Lubbock, TX. Oct. 16.
26. Auld, D.L. 2002. PSS Research Programs. Raiders Rojas. Lubbock, TX. Oct. 18.
27. Auld, D.L. 2002. PSS Education and Research Programs. Provost Bill Marcy. Lubbock, TX. Nov. 6.
28. Auld, D.L. 2002. Potential Castor Production in West Texas. Armstrong Flooring. Lubbock, TX. Nov. 12.
29. Auld, D. L. 2003. Plant and Soil Science-Passport to Global Involvement. CASNR International Committee Presentation. Lubbock, TX. Jan 26.
30. Auld, D. L. 2003. Continuing Your Professional Development After the B.S. Degree. Texas Chapter of the ASA. Canyon, TX. Feb. 24.
31. Auld, D. L. 2003. Career Opportunities in Plant and Soil Science. AGSCIII. Lubbock, TX. Mar. 5 and Oct. 1.
32. Auld, D. L., A. Peek, and D. Olivier. 2003. FFA Agronomy Contest. Lubbock, TX. Apr. 12.
33. Auld, D. L. 2003. Plant Genetic Research Cluster. Lubbock Regional Biosciences Initiative. Market Lubbock. Lubbock, TX. Apr. 25, May 22, Aug. 28, and Sep. 20.
34. Auld, D. L. and E. Peffley. 2003. Guar Research Report. Halliburton. Duncan, OK., May 26.
35. Auld, D. L. 2003. Ricin as a potential contaminant in castor oil. International Castor Oil Association. Estoril, Portugal. Jun. 5.
36. Maurer, M. and D. L. Auld. 2003. Buffalograss Consortium Research Tour. Lubbock, TX. Aug. 5 and Oct. 17.

37. Auld, D. L. 2003. Cotton Research Program. Bayer Crop Science. Lubbock, TX. Sep. 13.
38. Auld, D. L. 2003. Use of Buried Drip Irrigation to Measure Drought Tolerance in Cotton. Cotton Breeders Tour. Lubbock, TX. Sep. 15.
39. Auld, D. L. 2003. Selection of Castor with Reduced Levels of Ricin. USDA-IFAFS Research Review. Oakland, CA. Sep. 18.
40. Auld, D. L. 2003. Enhancing the Visibility of Texas Crop. CASNR-Agricultural Program Briefing. Lubbock, TX. Oct. 3.
41. Auld, D. L. 2003. Simultaneous selection for lint yield and fiber quality. Texas State Support Committee. College Station, TX. Dec. 8.
42. Auld, D. L. 2003. Plant and Soil Science Department Challenges and Opportunities. CASNR Advisory Board. Lubbock, TX. Dec. 15.
43. Auld, D. L. 2007. Potential Impact of Biofuel Production on the Texas High Plains. Guest Lecture. ACOM 5001 – Contemporary Issues in Agriculture. Oct. 4.
44. Auld, D. L. 2007. Breeding Improved Varieties of Turfgrass. Guest Lecture. PSS 4316 – Turfgrass Science. Feb. 27.
45. Auld, D. L. 2007. Houston Charter Schools – Rockwell Foundation. Student Recruitment. June 26.

Principal Subject Matter for Teaching: Plant Breeding and Genetics.

<u>Formal Courses Taught Last Six Years:</u>	1999	2000	2001	2002	2003	2004	Total
Undergraduate Courses							
PSS 4001: Problems	—	—	—	—	—	2	2
PSS 4100: Seminar	28	—	20	21	23	31	123
PSS 4321: Fund Principles of Plant Breeding	—	14	—	—	12	—	26
	1999	1999	2000	2001	2002	2003	Total
Graduate Courses							
PSS 5100 Seminar	55	24	36	40	31	24	208
PSS 5321: Plant Breeding Theory	—	3	—	—	9	—	21

PSS 6000: Master's Thesis	—	—	—	—	—	4	4
PSS 6001: Selected Topics in PSS	—	—	—	—	—	11	11
PSS 7000: Research	—	—	—	—	—	2	2
PSS 8000: Doctor's Dissertation	—	—	—	—	—	3	3

Formal Courses Taught Prior To Last Six Years:

Texas Tech University	1993	1994	1995	1996	1997	1998	Total
Undergraduate Courses							
PSS 4100: Seminar	—	25	29	29	33	24	140
PSS 4321: Fund Principles of Plant Breeding	10	11	—	30	—	21	72
Graduate Courses	1993	1994	1995	1996	1997		Total
PSS 5100 Seminar	58	69	67	68	59	22	343
PSS: 5334: Soils & Crops in Arid Lands	—	8	—	—	—	—	8
PSS: 5321: Plant Breeding Theory	—	5	—	—	—	9	14

Graduate Students Directed (Career Total of 33):

University of Idaho

M.S. (Total of 13)

1. Keikkinen, Mary. 1977. A diallel for protein and yield components of peas. M.S. Thesis. University of Idaho.
2. Blanchette, Bonnie. 1978. Screening of *P. sativum* for genetic resistance and disease avoidance to *S. sclerotiorum*. M.S. Thesis. University of Idaho.
3. Lowe, Richard. 1978. A diallel study of the yield components of processing peas. M.S. Thesis. University of Idaho.
4. Hillstrand, Debra. 1980. Development of techniques to screen winter peas *Pisum sativum* subsp. *arvense*) resistance to Ascochyta blight (*Phoma medicaginis* var. *pinodella*). M.S. Thesis. University of Idaho.
5. Arthur, Robert M. 1981. Cultivar and environmental factors that influence seed quality of process in peas. M.S. Thesis. University of Idaho.
6. Dial, Michael J. 1981. Evaluation of seedling resistance in *Pisum* to *Sclerotinia sclerotiorum* in genetic and field studies. M.S. Thesis. University of Idaho.
7. Bettis, Bill L. 1982. Screening for low glucosinolate concentrations in winter rape (*Brassica napus*) under controlled environments. M.S. Thesis. University of Idaho.
8. Liesenfeld, Diane R. 1983. Transmittance of winter hardiness in segregated populations of *Pisum sativum* (L.). M.S. Thesis. University of Idaho.

9. Romero, Juan E. 1987. Screening for high concentrations of erucic acid in mixed and mutated population of winter rapeseed (*Brassica napus* L.). M.S. Thesis. University of Idaho.
10. Davis, James B. 1988. Winter rapeseed (*Brassica napus* L.) with differential levels of glucosinolates evaluated as a green manure crop to suppress *Aphanomyces* root rot of peas (*Pisum sativum* L.). M.S. Thesis. University of Idaho.
11. Tonnemaker, Kole A. 1991. Development of resistance to sulfonylurea herbicides in rapeseed with chemical mutagenesis. M.S. Thesis. University of Idaho.
12. Lancaster, Mike W. 1991. Cultural practices to maximize seed yield of triazine tolerant winter rapeseed. M.S. Thesis. University of Idaho.
13. Hansen, Jennifer L. 1991. Rapid regeneration of dihaploid winter rapeseed. M.S. Thesis. University of Idaho.

Texas Tech University

M.S. (Total of 12)

1. Balch, Sandra. 1996. Impact of compost on vegetable production. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec. (Co-Chair w/Dr. Durham).
2. Kenworthy, Kevin. 1996. Evaluation of buffalograss germplasm from the Southern Great Plains for delayed fall dormancy. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec.
3. Pinkerton, Scott. 1997. Selection of castor with divergent concentration of ricin and RCA using radial immunodiffusion. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug.
4. Jack, Kelly. 1999. Development of buffalograss with improved forage quality and yield. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Chair w/Dr. Vivien Allen.).
5. Sebastian, Bryant. 1999. Efficacy of preemergence and postemergence herbicides in cool- and warm-season turf grass seedlings. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Chair w/Dr. Dotray).
6. Anderson, Lance. 2000. The impact of intellectual property rights on the commercialization of promoter and transformation technology on academia. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Chair w/Dr. R. Allen).

7. Lockett, Landry. 2000. Public perception of native plants in xeriscapes at three levels of moisture. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Chair w/Dr. Montague).
8. Myrick, Matt. 2000. Abscisic acid concentrations of Zoysiagrass seed during maturation and their relationship to germination. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Chair w/Dr. Hopper).
9. Moffett, Scott W. 2002. Inheritance of fiber length in selected mutants of upland cotton. M.S. Candidate. Department of Plant and Soil Science. Texas Tech University. Dec.
10. Peek, Andrea J. 2005. Public Perception about use of Cotton Fabrics Derived From Genetically Modified Organisms (GMO). M.S. Candidate. Department of Plant and Soil Science. Texas Tech University. Dec.
11. Sladek, Bradley S. 2008. Shade Tolerance and Rate of Spread in Zoysiagrass Cultivars. M.S. in Horticulture - Turf. Department of Plant and Soil Science. (Co-Chair with Dr. Gerald Henry).
12. Scasta, Derek. 2008. Salt Tolerant Alfalfa. M.S. in Crop Science. Plant and Soil Science. Co-Chairs Dr. Calvin Trostle and Dr. Mike Foster. (D.L. Auld campus Advisor).

Students in Progress:

- 13, Thomas, Tina. 2009. Methanol and Ethanol Esterification of Castor, Safflower, Cottonseed and Sunflower Oil. M.S. Multidisciplinary Studies. (Co-Chairs Dr. David Birney and Dr. Dick Auld).

Ph.D. (Total of 4):

1. Gaitan-Gaitan, Fernando. 1995. Establishment and stress tolerance of buffalograss.. Department of Plant and Soil Science. Texas Tech University. Dec.
2. Balch, Sandra. 2000. Evaluation of native evening primrose for gamma-linolenic acid. Department of Plant and Soil Science. Texas Tech University. Aug.
3. Lowery, Cynthia C. 2005. Evaluation and Selection of Castor (*Ricinus communis* L.) for Reduced Levels of Toxins. Department of Plant and Soil Science. Texas Tech University. Dec. (Co-Chair with Dr. McKenney).
4. Basinger, Ashley. (2007). Learning Outcomes for U.S. Horticulture: A National Delphi Study. Ph.D. Candidate. Plant and Soil Science. Texas Tech University. (Co-Chair McKenney, C. B. and Auld, D. L).

Students in Progress:

5. Oswalt, Steve J. 2006. Optimal Water Use Efficiency in Oilseed Crops on the Texas High Plains. Ph.D. Candidate. Department of Plant and Soil Science. (Dec. 2010).

Non-Thesis (Total of 4)

1. Mitchell, Kevin. 1996. Non-Thesis. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. Dec.
2. Kirklin, Christopher J. 1997. Non-Thesis. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. Dec.
3. Killgore, Bridget. 2000. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. May.
4. Busby, Jarrod S. 2002. Non-Thesis. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. Dec.

Visiting Ph.D. (Total of 1)

1. Demant, Carlos A. R. 2007. Castor genetics and Breeding. Department of Agricultura UNESP/FCA, Botucaturu, San Palo (Brazil). (April – Dec. 2007)

Graduate Committees (Total of 40):

Texas Tech University

M.S. (Total of 16)

1. Dodson, Kevin. 1994.
2. Lauterbach, Brenda Faith. 1999.
3. Sebastian, William Bryant. 1999.
4. Murphy, Cynthia K. 2000.
5. Henson, Bryan. 2003.
6. Hamil, Margaret. 2004.
7. Cranmer, Leigh M. 2004.
8. Brewer, Shawn. 2005.
9. Muihia, Amade 2005.
10. Reddy, Preethi. 2005.
11. Timmons, Betsy. (2006).
12. Mason, Carol. 2006.
13. Jones, Amy. (2007).
14. Price, Jacob. (2008)
15. Tommy Bartley, 2008
16. Stacy Gill, (2009)

Ph.D. (Total of 28)

1. Kahn, Saif. 1992
2. Staggenborg, Scott. 1993.
3. Song, Ping. 1994.

4. Giullano, Bill. 1995.
5. Pittcock, Kim. 1997.
6. Hou, Anfu. 1998.

7. Pathan MD, M. Safiullah. 1998.
8. Ali, Md Liakat. 1999.
9. Ayele, Mulu. 1999.
10. Abdelrahim, M. G. 2000.
11. Chamarerk, Varapong. 2002.
12. Peters, Alan. 2003.
13. Liu, Weixin. 2003
14. Xiang, Zhixin. 2003.
15. Yan, Sun. 2003.
16. Becker, David. 2004.
17. He, Cixin. 2005.
18. Lee, Joohyun. 2006.
19. Pasapula, Vijaya Sekhar. 2006.
20. Lee, Gouhyan. 2006.
21. Pasapula, Vijaya Sekhar. (2008).
22. Kuppu, Sundaram. (2009).
23. Mr. Cory Mills, (2009)
24. Mr. Justin Weeaks, (2009)
25. Ms. Ruwanthi Wettasinghe, (2010)
26. Ms. Natalia Castillo, (2010)
27. Mr. Sundaram Kuppu, (2010)
28. Mr. Vijay Paspula, (2010)

Undergraduate Fellows (Total of 6):

1. Sexton, Michelle. 2002-2003. Phenolic compounds in echinacea. CASNR Undergraduate Research Program.
2. Burris, Josh. 2001-2002. Impact of fiber quality on lint yield and gross return of upland cotton. CASNR Undergraduate Research Program.
3. Peabody, Phillip. 2001-2002. Chemical mutagenesis to develop lines of cotton with early maturity. CASNR Undergraduate Research Program.
4. Sladek, Brad. 2006. Characterization of Shadowturf Zozsiagrass. Undergraduate Research Fellow.
5. Ms. Caren Ayala, Salt tolerance of Castor, International Summer Intern from Quito, Ecuador.
6. Mr. Jacob Rieff, Growth habit of castor. Domestic Summer Intern from Abernathy, TX.

External Support (Career Total of \$4,728,239):**University of Idaho:**

1. Total External Research Funding (University of Idaho) 1976-91: \$1,836,000.

Texas Tech University: (Total of \$2,892,239)

1. Auld, D. L., N. W. Hopper, and R. E. Zartman. 1992. Effect of three winter cover crops on available soil moisture and mineral nutrition of a subsequent cotton crop. High Plains Water District. \$8,165.
2. Auld, D. L. and C. B. McKenney. 1992. Buffalograss varieties. Frontier Hybrid, Inc. \$52,000. (1992-93).
3. Auld, D. L. 1994. Phenotypic evaluation of castor germplasm. USDA-CSRS. \$4,100.
4. McKenney, C. B., B. L. Allen, and D. L. Auld. 1994. Alpha West bioremediation studies. \$5,000.
5. Auld, D. L. 1994-04. Development of canola adapted to the Southern Great Plains. USDA-CSRS. \$47,940.
6. Auld, D. L. 1995. Undergraduate fellowship for Ms. Brenda Lauterbach to work at the University of Texas Southwestern Medical Center with Dr. Ellen Vititta. Genomic and Structural Biology Group. Los Alamos Natural Laboratory. \$8,500.
7. Auld, D. L., H. Parker, and Victor Ghetie. 1995-97. Castor as a source of ricin toxin for use as immunotoxins for the treatment of human diseases. Advance Technology Program--Texas Higher Education Coordination Board. \$159,877, Texas Tech University. \$53,933, Department of Plant and Soil Science.
8. McKenney, C. B. and Auld, D. L. 1995-99. Evaluation of Israel and Texas plant species as potential high value crops in xeriphytic conditions. Texas/Israel Exchange Program (TIE). \$80,777.
9. McKenney, C. B. and D. L. Auld. 1996. National Turfgrass Evaluation Program (NTEP) zosiagrass/buffalograss. \$6,000.
10. Auld, D. L. and D. M. Ethridge. 1997-99. Use of chemical mutagenesis to develop enhanced fiber characteristics in cotton. TAMU-TxCOT Program. \$70,000. (Account manager of \$47,000).
11. Auld, D. L., V. G. Allen, C. B. McKenney, and R. E. Durham. 1998-99. New crops for the Southern Great Plains. USDA Fund for Rural America. \$100,000.

12. Peffley, E. B. and D. L. Auld. 1998 -2007. Development of a product for industry. Halliburton Energy Services. \$672,740. (Account Manager \$0).
13. Allen, R. D., D. L. Auld, E. Hequet, R. G. Cantrell, and C. W. Smith. 1999-01. Molecular genetic optimization of cotton fiber quality. Texas A&M University--TxCot Program. \$62,175. (Total \$300,000).
14. Auld, D. L. 1999. Faculty development leave. Los Alamos National Laboratory and New Mexico State University. Texas Tech University.
15. Auld, D. L., C. B. McKenney, Z. Yaniv, and B. Heuer. 1999. Commercialization of three medicinal species native to Texas and Israel. Texas Department of Agriculture-Texas Israel Exchange Program. \$48,569.
16. Auld, D. L. 2000. Plant Improvement. Bayer CropScience Corporation. \$19,000.
17. Auld, D. L. and C. W. Smith. 2000-03. Simultaneous improvement of lint yield and fiber length in Texas cotton. Cotton Incorporated – Texas State Support Committee. \$80,000.
18. Auld, D. L. and R. D. Allen. 2000-01. Germplasm engineering to improve West Texas cotton. International Cotton Research Center. \$71,973.
19. Auld, D. L., T. A. McKeon, and J. W. Goodrum, and R. D. Rolfe. 2000-05. Development of castor with reduced toxicity and expanded markets. USDA-IFAFS. \$682,700. (Account manager of \$171,256).
20. Auld, D.L., J. Gannaway and R. Wright. 2002-03. Selection of cotton genotypes with stable yields and fiber quality across differential levels of soil moisture. International Cotton Research Center. \$82,420.
21. Auld, D.L., and E. Bechere. 2003. Reducing seed oil content of Texas cotton. International Cotton Research Center. \$20,000.
22. Auld, D. L. and C. W. Rife. 2004-2005. Development and management of canola in the Great Plains Region. USDA-CSREES. \$2,222.
23. Wright, R. J., J. Gannaway, R. D. Allen, T. A. Wheeler, E. Bechere, and D. L. Auld. 2004. Improving West Texas cotton. Cotton, Inc., \$26,298. (Account manager of \$26,298).
24. Auld, D. L., E. Bechere, E. Hequet, and S. Misra. 2004-2005. Incorporation of acala and pima quality into cotton varieties adapted to the Texas South Plains. International Cotton Research Center. \$74,676. (Account manager of \$40,112).

25. Wright, R. J., J. Gannaway, and D. L. Auld. 2004. Selection of cotton genotype with stable lint yields and fiber quality across differential levels of soil moisture. International Cotton Research Center. \$46,677. (Account manager of \$0).
26. Krifa, M., D. Ethridge, and D. L. Auld. 2004. Micro-spinning application in cotton breeding. International Cotton Research Center. \$52,892. (Account manager of \$0).
27. Hequet, E., N. Abidi, D. Ethridge, D. L. Auld, J. Gannaway, and J-Y Drean. 2004. Using fiber elongation to improve genetic screening in cotton breeding programs. International Cotton Research Center. \$52,938. (Account manager of \$0).
28. Zhang, H., and D. L. Auld. 2004. Creation and field-testing of transgenic cotton engineered for higher drought and salt tolerance. International Cotton Research Center. \$52,800. (Account manager of \$0).
29. Maurer, M. A. and D. L. Auld. 2004. Buffalograss Research Consortium. Industry Sponsors. \$36,000. (Account manager of \$0).
30. Maurer, M. A. and D. L. Auld. 2002-2004. Natural Buffalograss Test. USDA-NTEP. \$3,000. (Account manager of \$0)
31. McKenney, C. B. and D. L. Auld. 2004. Raider™ Wildflower Research. Turner Seed Co. \$15,000. (Account manager of \$0).
32. Auld, D.L. 2006. Development of Canola for the Southern Great Plains. USDA-KSU. \$2,222
33. Auld, D.L., E. Bechere, E. Hequet, M. Krifa. S. Misra. 2006. Development of Superior Fiber Quality and High Lint Yield Potential in West Texas Cotton Varieties. International Cotton Research Center (USDA). \$69,498 (Account Manager of \$42,112)
34. Auld, D.L., R. J. Wright, T.A. Wilkins, E.F. Hequet. N. Abidi, R.D. Allen, C. . Bednarz. 2006. The International Center of Excellence in Agricultural Genomics & Biotechnology. State of Texas – Emerging Technology Fund. \$1,949,000 (Account Manager of \$116,940)
35. Auld, D.L. 2006, Texas Enology – Teaching, Research and Extension. 2006. Texas Department of Agriculture. \$175,000 (Account Manager of \$0).
36. Auld, D.L. and E. Bechere. 2007. Developing Cotton Varieties with Enhanced Biodiesel Production to Optimize Profitability. \$7,400. Texas Department of Agriculture/Food & Fiber Research.

37. Auld, D.L., E. Bechere and G. A. Holt. 2007. Evaluation of 'Naked-Tufted' Seed Coat Mutants for Lint Yield, Lint Percent, Fiber Quality, and Potential Energy Savings in Cotton. \$21,400. Texas Department of Agriculture/Food & Fiber Research.
38. Auld, D.L. 2007. Development of Canola for the Southern Great Plains. USDA-KSU. \$5,000.
39. Wright, R. J., J. Gannaway, R. D. Allen, T. A. Wheeler, E. Bechere, and D. L. Auld. 2007. Improving West Texas cotton. Cotton, Inc., \$30,000. (Account manager of \$30,000).
40. Bechere, E. and D. L. Auld. 2007. Bayer CropScience Project Agreement. \$86,942.
41. Zhang, H. and D. L. Auld. 2007. Engineering Cotton for Higher Drought and Salt Tolerance. USDA-NRI. \$320,707. (Account Manager of \$0).
42. Krifa, M., D. Ethridge, E. Bechere and D. L. Auld . 2007. Genetic Variability, Environment, and Agronomic Practices: Impact on Cotton Fiber Length.\$32,400. Texas Department of Agriculture/Food & Fiber Research.
43. Oswalt, S. J., T. L. Thompson, C. Bednarz, D. L. Auld, 2007. Optimizing Irrigation of Oilseed Crops on the Texas High Plains. U.S. Geologic Survey/ TX Ag Experiment Station. \$5,000.
44. Wright, R. J., J. Gannaway, R. D. Allen, T. A. Wheeler, E. Bechere, and D. L. Auld. 2008. Improving West Texas cotton. Cotton, Inc., \$30,000. (Account manager of \$30,000).
45. Auld, D.L., E. Bechere and G. A. Holt. 2008. Evaluation of 'Naked-Tufted' Seed Cotton Mutants for Lint Yield, Lint Percent, Fiber Quality, and Potential Energy Savings in Cotton. \$10,700. Texas Department of Agriculture/Food & Fiber Research.
46. Auld, D.L. 2008. Development of Canola for the Southern Great Plains. USDA-CSREES (KSU). \$2,250.
47. Auld, D.L. 2008. Cotton Mutagenesis. Bayer CropScience Project Agreement. \$90,923.
48. Krifa, M., D. Ethridge, E. Bechere and D. L. Auld. 2008. Genetic Variability, Environment, and Agronomic Practices: Impact on Cotton Fiber Length. Texas Department of Agriculture/Food & Fiber Research. \$12,360. (Account manager of \$0).

49. Wright, R. J., J. Gannaway, R. D. Allen, T. A. Wheeler, E. Bechere, and D. L. Auld. 2008. Improving West Texas cotton. Cotton, Inc., \$15,000. (Account manager of \$30,000).
50. Auld, D.L. and C.B. McKenney. 2008. Chevron Corporation – Texas A&M BioEnergy Alliance. \$27,000.
51. Auld, D.L. 2008 Canola Adaptation and Production in the Southern Great Plains. USDA/Texas A&M. \$36,600.
52. Auld, D.L. 2008. Canola Variety Testing. Bayer CropScience. \$20,300.
53. McKenney, C.B. 2008. Developing and testing new accessions of Live Oak. Tom's Tree Place. \$7,500. (Account manager of \$0)

Service:

**A. University Committees and Service:
Texas Tech University.**

1. Academic Assessment Committee. 1999-00.
2. Academic Advisor of Delta Tau Delta Fraternity. 2002-04.
3. Basic Sciences Building Committee. 1999.
4. Biological Sciences Graduate Student Research Forum. Judge. 1997.
5. Committee of Agro bioterrorism. Chair. 2002
6. Desert Conference. Local Arrangements Committee. 1996.
7. Economic Development Council. Research Associate. 1998-00.
8. Graduate Advisory Committee. 1994-95.
9. Graduate School Interdisciplinary Program Review Committee. 1997-99.
10. Interdisciplinary Seed Grant Proposal. Office of Research Services. Chair. 1999.
11. International Cotton Research Center--Federal Initiative. Proposal Committee. 1997.
12. Search Committee. Plant Stress Laboratory Director. 1998.
13. Southwest Consortium on Plant Genetics and Water Resources Executive Committee. Texas Tech University Representative. 1992-06.

14. Texas Seed and Plant Board. Texas Tech University Representative. 1992-04.
15. 2005. Southwest Consortium on Plant Genetics and Water Resources. Executive Committee. Texas Tech University Representative.
16. 2005. Texas Seed and Plant Board. Texas Tech University Representative.
17. 2005. Vice President of Research. Board of Inquiry on Research Misconduct. Texas Tech University Committee Chair.
18. Auld, D. L. 2006 - 2007. Governor's Biofuels Task Force. Texas Tech University. Representative.

B. College Committees and Service:

College of Agricultural Science and Natural Resources.

1. Administrative Council. 1994-2006.
2. Administrative Leadership Conference. Texas Agricultural Experiment Station--Amarillo, TX. 1997.
3. Agricultural Collaboration Committee (OSU/TTU/TAMU/NMSU). 1999.
4. ASCARR--Kellogg Grant Preparation Committee. 1993.
5. Distance Education Task Force. 1996-98.
6. Peanut Breeder Selection Committee. 1999.
7. Peanut Producers Board. Research Review Committee. 2001-03.
8. Plant Stress Institute.
 - a. Executive Committee. 1992-95.
9. Red Imported Fire Ant Initiative. FARMIC/FARMAC Committee. 1996-03.
10. Strategic Planning Committee. 1993-2006.
11. TAMU/TTU Cotton Research Strategic Planning Committee. 2002-03.
12. TAMU/TTU Sorghum Research Strategic Planning Committee. 2002.
13. Texas Agricultural Policy Summit – Bioterrorism. 2002.

14. Texas Certified Crop Advisors Board of Directors. 1993-98.
15. FFA Agronomy Contest – Coordinator. 2003.
16. CASNR Research and Graduate Educational Committee. 2006-2008. Chair.

**C. Departmental Committees and Service:
Department of Plant and Soil Science.**

1. Farmer Stockman Show Departmental Display. 1993.
2. Graduate Advisor. 1992-00.
3. Graduate Student Advisory Council. 1994-2006.
4. Homecoming BBQ Committee. 1993, 1998-99.
5. Recognition and Rewarding of Teaching Departmental Representative Service. 1996.
6. Search Committees.
 - a. Greenhouse Manager. 1999.
 - b. Horticulture Position. 1995.
 - c. Horticulture Position. 1998.
 - d. Horticulture Position. 1999.
 - e. Horticulture/Viticulture Position. 1993.
 - f. Soil Chemistry/Fertility Position. Chair. 1994.
 - g. Thornton Distinguished Chair Position. Chair. 1994.
 - h. TTU/TAMU Microclimatologist Position. 2000.
 - i. TAMU/TTU Peanut Breeder Position. 2000.
 - j. TAMU/TTU Viticulture Position. 2000.
 - k. Plant Genomic Position. 2002.
7. Tours.
 - a. Belsterling Scholarship Committee. Field Plots. 1997.
 - b. Biotech Institute Review (Dr. John Kemp, New Mexico State University). Research Facilities. 1998.
 - c. Homecoming. Field Plots and Main Campus Research Plots. 1997.
 - d. National Science Foundation. Plant Stress Laboratory and Field Plots. 1997.
 - e. Texas Cotton Breeders Association. Cotton Mutagenes Research Lab and Plant Stress Field Laboratory. 1998-99.
 - f. West Texas Golf Course Superintendents Association. Turfgrass Plots and Plant Stress Field Laboratory. 1998.

8. PSS Advisory Council. 2004-2006.

9. Department Chair. 1991-2006.

D. Professional Society Service:

American Society of Agronomy.

1. Brassica Monograph Committee. 1992-96.
2. Public Relations Committee. 1985-88.
3. Student Manuscript Contest. 1990-94.
4. Reviewer of ISTC Proposal #KR-1060-Biological Security of Strategic Agricultural Crops. U.S. Civilian Research and Development Foundation. 2004.
5. Chair of Session No, 56 – Cultivar Development: I (C01) American Society of Agronomy – Annual Meetings. Indianapolis, IN. Nov. 13, 2006.

Crop Science Society of America

1. Manuscript Reviewer. 2000, 2002, 2003, 2005, 2006, 2007.
2. C852-Registration of Oilseed Crops. 1990-96.
3. Organization, Policy, and By Laws Committee. 1997-99.
4. C456 NCCPB Plant Breeding Award for Industry Committee. 2002.
 - a. Chair. 2003.

North American Cruciferae Germplasm Resource Committee. 1985-92.

Western Society of Crop Science.

1. Graduate Student Presentation Evaluation Committee. 1981-83, 1990.
2. President. 1994.
3. Program Chair. 1993.
4. Secretary and Treasurer. 1986.

E. Professional / Industry Service:

1. Cotton, Inc. Statewide Support Progress Committee. Grant Reviewer. 1995-99.
2. Delta and Pineland Transgenic Variable Testing Work Group. 1999.

3. Louisiana Board of Regents. Baton Rouge, LA
 - a. Final Review Panel LEQSF-ITRS Program. 1996-present.
 - b. Research Program Multi- year Review. 2002.
4. Lubbock Regional Bioscience Initiative – Plant Genetics Research Cluster Group. Chair. Market Lubbock. 2004-Present.
5. National Science Foundation. Graduate Research Fellowship Program. 1997-00.
6. Newspaper Interviews.
 - a. Cotton Mutagenesis. 1998.
 - b. Evening Primrose. 1999.
7. Radio Interviews.
 - a. KFYO--Big Ed Show. 1998.
8. Regional Cotton Genetics Working Group. 2000.
9. Southern Seed Association. Executive Vice President. 2001-present.
10. Soil Conservation Service Texas Cropland Alliance. 1994.
11. Texas Agriculture Industry. Association Texas Certified Crop Advisors Board. 1994-98.
12. Texas Seed Trade Association Program Committee.
 - a. Co-Chair. 1992-present.
 - b. Production Conference Program Committee. 1992-present.
13. Texas Wine and Grape Growers Association. Board of Directors Meeting. 1993.
14. USDA.
AARC Research Proposal Review. 1993-94, 1996, 1998-99.
 - a. Future Directors Review Panel. 1999.

15. University of Manitoba. Industrial Research Chair Review Team. NSERC/CRSNG. Winnipeg, Manitoba, CA. Aug. 1-3, 2002.

F. Community:

1. Science Project Judge. Haynes Elementary School. Lubbock, TX. Feb. 12, 2004.
2. Lubbock Regional Bioscience Initiative – Plant Genetics Research Cluster Group. Chair. Market Lubbock. 2005.

Commercial Cultivars Released:

Melrose: Austrian winter peas (1978)
 Glacier: Austrian winter peas (1983)
 Lyons: Kabuli chickpeas (1985)
 Aztec: Desi chickpeas (1985)
 Bridger (PVP 85000171): Industrial Winter Rapeseed (1986)
 Cascade (PVP 8500172): Canola Winter Rapeseed (1986)
 Cathy (PVP 9000149): Canola Winter Rapeseed (1991)
 Rebel (PVP 9000148): Canola Winter Rapeseed for Southeastern U.S. (1991)
 LEI III (PVP 9100090): Industrial Winter Rapeseed (1991)
 Aspen (PVP 9100088): Canola Winter Rapeseed (1991)
 Humus (PVP 9100089): Green Manure and BIODIESEL Rapeseed (1991)
 Granger: Austrian Winter Peas (1998)
 Ericka: Winter Rapeseed (1998)
 Selkirk: Winter Rapeseed (1998)
 Granger: Winter Peas (1998)
 Plainsman: Winter Rapeseed (2000)
 Wichita: Winter Rapeseed (2001)
 AFD Raider 202 (2001)
 AFD Raider 271 (2001)
 Abilene Winter Rapeseed (2003)
 Plains: Blackfoot Daisy (2004)
 Raider 276: Cotton (2007)
 Raider Amethyst: Prairie Verbena (2007)
 Tech Turf I: (Turfallo) Buffalograss (2008)
 Shadow Turf: Zoysiagrass (2008)

Germplasm Released:

Fenn Winter Pea - 8 Foliar Isolines (GP-37 to GP-44) (1988)
 Melrose Winter Pea - 8 Foliar Isolines (GP-45 to GP-52) (1988)
 ID 89-1 Winter Pea - 8 Foliar Isolines (GP-53 to GP-60) (1988)
 Frogel Winter Pea - 8 Foliar Isolines (GP-61 to GP-68) (1988)
 Five Winter Pea Lines - (GP-69 to GP-73) (1988)
 Three Sunflower Populations - (GP-108, GP-109 and GP-128)(1989 and 1991)
 Two Triazine Tolerant Rapeseed Lines - (GP-3 and GP-4) (1991)

Winter Rapeseed Germplasm (KS 3579) (1997)
Winter Rapeseed Germplasm (KS 1701) (1999)
Cotton Germplasms (TTU 202-1107 B/TTU 271-2156 C) (2000)
TTU-LRC Castor Germplasm (GP-3) (2003)
Cotton Germplasms (TTU 0774-3-3/TTU 0808-1-6-1)(2007)