

CURRICULUM VITAE

Tesfaye T. Tesso

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EDUCATION

- 2002 PhD Kansas State University, USA
- 1997 MS Alemaya University of Agriculture, Ethiopia
- 1991 BS Alemaya University of Agriculture, Ethiopia

EMPLOYMENT

- 2012 – Present Associate Professor, Sorghum breeding, Kansas State University
- 2008 – 2012 Assistant Professor, Sorghum breeding, Kansas State University
- 2004 – 2008 Researcher and leader, National Sorghum Research Program, Ethiopian Institute of Agricultural Research.
- 2002 – 2003 Post-doctoral Research Associate, Purdue University, West Lafayette, USA.
- 1999 – 2002 Graduate Research Assistant, Kansas State University, Manhattan, USA.
- 1997 – 1998 Lecturer, Alemaya University of Agriculture, Ethiopia.
- 1995 – 1996 Graduate Student, Alemaya University of Agriculture, Ethiopia.
- 1993 – 1994 Assistant Lecturer, Alemaya University of Agriculture, Ethiopia.
- 1992 Graduate Assistant, Alemaya University of Agriculture, Ethiopia.

PROFESSIONAL ACCOMPLISHMENTS AND CONTRIBUTIONS

Research and Extension

Variety/parent line/germplasm releases (5 food sorghum and 2 malt sorghum varieties, 1 pearl millet variety, 6 pollinator parents and several B and R lines in pipeline)

- Released 6 drought tolerant pollinator parents at Kansas state University
- Released 2 sorghum varieties adapted to mid altitude environments of Ethiopia
- Released the first malt sorghum varieties (2) with high diastatic power
- Released 1 sorghum variety adapted to the highlands of Ethiopia
- Released the first pearl millet variety (1) for Ethiopia
- Developed and released 2 food grade commercial sorghum hybrids. These are the first hybrids to be released in Ethiopia

Other research outputs of practical relevance to grain and forage/biomass sorghum production and research

- Development of superior Acetolactate synthase (ALS) and Acetyl co-enzyme -A carboxylase (ACC) inhibitor herbicide resistant seed and pollinator parents (in pipeline). Some of these lines combine both ALS and ACC resistance traits and will be a significant addition to herbicide resistant sorghum gene pool.

- Identification of sources of genetic resistance to stalk rot diseases and development of improved inoculation methods for fusarium stalk rot.
- Assessment of risks associated with deployment of low lignin mutations for cellulosic feedstock production.
- Elucidated the effect of high digestibility allele (*hd⁺*) dose on digestibility of sorghum endosperm proteins and its implication for improving sorghum nutritional value.

Technology multiplication and promotion

- Coordinated a participatory community based seed multiplication initiative and reached over 10,000 farmer households in four regions of Ethiopia with new *Striga* resistant varieties.
- Organized and led a nationwide demonstration of integrated *Striga* management technology.
- Led the promotion and distribution of improved sorghum varieties resistant to the parasitic weed, *Striga*.

Teaching and graduate education

Teaching:

- AGRON 970 (Advanced Plant Breeding)
- AGRON 980 (Molecular Tools for Genetic Analysis)

Graduate student training:

- **Students graduated from my program or under my direct supervision: 7**
 - Samuel Mamo (MS), Addis Ababa University, Ethiopia, graduated in 2006
 - Dechassa Hirpha (MS), Haramaya University, Ethiopia, graduated in 2006
 - Taye Tadesse (MS), Haramaya University, Ethiopia, graduated in 2007
 - Wasihun Legesse (MS), Hawasa University, Ethiopia, graduated in 2008
 - Alemu Tirfessa (MS), Hawasa University, Ethiopia, graduated in 2009
 - Jayfred Godoy (MS), Kansas State University, graduated in summer 2011
 - Frank Maulana (MS), Kansas State University, graduated in summer 2011
- **Current graduate students: 5**
 - Adedayo Adeyanju (PhD)
 - Frank Maulana (PhD)
 - Dilooshi Weerasooriya (PhD)
 - Jebiril Ali Mohamed (PhD)
 - Lauren Lang (MS)

PARTICIPATION IN NATIONAL, REGIONAL AND INTERNATIONAL ACTIVITIES

2008-Present

- Leading one of the largest sorghum breeding programs in the United States

- Engaged and interacted with stakeholders, scientists, philanthropic organizations with vested interest in sorghum research and development. These include:
 - National Grain Sorghum Producers Association
 - Kansas Grain Sorghum Commission
 - USDA-ARS
 - USDA-FAS
 - International and regional research institutions (ICRISAT, Bioinnovate, ASARECA)
 - Foundations
 - Private industries (national and international)

2004 – 2008

- Besides discharging the national responsibility to address local problems of sorghum production, I participated in regional and international sorghum research activities through the following organizations:
 - INTSORMIL-Crop Research Support Program.
 - The Generation Challenge Program/Rockefeller Foundation.
 - Syngenta Foundation.
 - Alliance for Green Revolution in Africa (AGRA).
 - Eastern and Central Africa Agricultural Research Association on Sorghum and Millets (ECARSAM).
 - Leading multi-national project supported by the European Union on mitigation of drought stress in sorghum.

PROFESSIONAL SERVICES

- Associate Editor, Journal of Plant Registrations (2011-present)
- Chair Sorghum Improvement Conference of North America (2011-2013)
- Team leader for Ethiopia national variety release technical committee (2005-2006).
- Secretary of the national task force overseeing multiplication and dissemination of *Striga* management technology in sorghum (2006-2008).
- Elected member of the Executive Committee of Crop Science Society of Ethiopia (2004-2006).
- Member of steering committee for sorghum and millet Research network of Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA) (2004-2007).
- Host country coordinator for International Sorghum and Millet Research (INTSORMIL-CRSP program) (2004-2008).
- Served the national graduate education programs in Ethiopian Universities (Haramaya, Addis Ababa and Hawasa) through serving as major advisor, co-advisor, examiner and hosting graduate students while conducting their research at the national program (2005-2008).
- Served the Agriculture profession by participating in a number of national, regional and international activities. These include:
 - Review of grant proposals for the Ethiopian agricultural research organization, USAID-AMAREW project, ASARECA and Bioinnovate.

- Helped with starting on a new local agricultural journal (Ethiopian Crop Science Journal)
- Assisted local communities, government organs and nongovernmental development organizations by consulting and providing training on seed production, *Striga* management and technology dissemination.
- Reviewed manuscripts for peer reviewed journals (23 manuscripts for 11 international journals in the last three years).
- Served as panelist on identification of small holder farm constraints and setting research priority for sorghum and millet
- Participated in Task Force II online consultation of the Global Partnership Initiative for plant breeding capacity building (GIPB) organized by the Food and Agricultural Organization (FAO).
- Co-organized the international symposium on *Striga* management conducted in 2006, Addis Ababa Ethiopia.

EXTERMURAL FUNDING ATTRACTIONS (Grants and sub-contracts)

- Attracted over \$390, 000 in grants and \$310,000 in sub-contracts to support the national sorghum research program during the four years of my tenure in Ethiopia (donors include: INTSORMIL-CRSP, The Alliance for Green Revolution in Africa (AGRA), USAID/USDA, Association for Agricultural Research in East and Central Africa (ASARECA).
- Attracted over \$1.3 million in grants and sub-contracts at Kansas State University. Donors include: Kansas Sorghum Commission, National Sorghum Checkoff Program, Global Crop Diversity Trust, USDA-FAS, USDA-DOE, Kansas State Center for Sorghum Improvement, Kansas State Center for sustainable Energy, Agricultural Research and Extension Trust, Malawi.

AFFILIATIONS AND MEMBERSHIP TO PROFESSIONAL SOCIETIES

- Gamma Sigma Delta Honor Society
- Agronomy Society of America
- Crop Science Society of America
- Crop Science Society of Ethiopia
- Crop Protection Society of Ethiopia
- Ethiopian Weed Science Society

PUBLICATIONS

Publication summary: **36** refereed journal articles, **4** book chapters, **4** articles in proceedings and international newsletters, **26** abstracts and over **15** invited talks.

Journal Publications

1. Kapanigowda, M.H., R. Perumal, M. Djanaguiraman, R.M. Aiken, T. Tesso, P.V. Prasad and

- C.R. Little. 2013. Genotypic variation in sorghum [*Sorghum bicolor* (L.) Moench] exotic germplasm collections for drought and disease tolerance. Springer Plus (in pres).
2. Liu L., A. Maier, N. Klocke, S. Yan, D. Rogers, T. Tesso, D. Wang. 2013. Impact of deficit irrigation on sorghum physical and chemical properties and ethanol yield. *ASABE* 56(4): 1541-1549.
 3. Godoy, J. G., and T. Tesso. 2013. Analysis of Juice Yield, Sugar Content, and Biomass Accumulation in Sorghum. *Crop Sci.* 53(4): 1288-1297.
 4. Maulana, F., and T.T. Tesso. 2013. Cold Temperature Episode at Early and Mid-Growth Stages Reduces Seedling Growth and Yield Components in Sorghum. *Crop Sci.* 53:564-574 (12-239-J).
 5. Xu, Feng, J. Yu, T. Tesso, F. Dowell, and D. Wang. 2012. Qualitative and quantitative analysis of lignocellulosic biomass using infrared techniques: A mini-review. *Applied Energy* 104:801-809.
 6. Sukumaran, S., W. Xiang, S.R. Bean, J.F. Pedersen, M.R. Tuinstra, T.T. Tesso, M.T. Hamblin, and J. Yu. 2012. Genetic Structure of a Diverse Sorghum Collection and Association Mapping for Grain Quality. *Plant Genome* (in press).
 7. Wu, Y., X. Li, W. Xiang, C. Zhu, Z. Lin, Y. Wu, J. Li, S. Pandravada, D.D. Ridder, G. Bai, M.L. Wang, H.N. Trick, S.R. Bean, M.R. Tuinstra, T.T. Tesso, and J. Yu. 2012. Presence of tannins in sorghum grains is conditioned by different natural alleles of Tannin1. *PNAS* 109:10281-10286 (12-302-J).
 8. Lin, Z., X. Li, L. Shannon, C-T. Yeh, M.L. Wang, G. Bai, Z. Peng, J. Li, H.N. Trick, T.E. Clemente, J. Doebley, P.S. Schnable, M.R. Tuinstra, T.T. Tesso, F. White, and J. Yu. 2012. Parallel domestication of the Shattering1 genes in cereals. *Nature Genetics.* 44:720-724 (12-121-J).
 9. Tesso, T., Perumal, R., Little, C.R., Adeyanju, A., Radwan, G.L., Prom, L.K., and Magill, C.W. 2012. Sorghum pathology and biotechnology - a fungal disease perspective: Part II. Anthracnose, stalk rot, and downy mildew. *The European Journal of Plant Science and Biotechnology* (In press) (KAES No. 12-052-J).
 10. Little, C.R., Perumal, R., Tesso, T., Prom, L.K., Odvody, G.N., and Magill, C.W. 2012. Sorghum pathology and biotechnology - a fungal disease perspective: Part I. Grain mold, head smut, and ergot. *The European Journal of Plant Science and Biotechnology* (Inpress) (KAES No. 12-051-J).
 11. Shuping Yan, Xiaorong Wu, Scott Bean, Jeff Pedersen, Tesfaye Tesso, Yuanhong Chen, and Donghai Wang. 2011. Evaluation of waxy grain sorghum for ethanol production. *Cereal Chem.* (in press) (KAES No. 11-327-J).
 12. Adugna A., T. Tesso, E. Degu, T. Tadesse, F. Merga, W. Legesse, A. Tirfessa, H. Kidane, A. Wole, and C. Daba. 2011. Genotype-by-environment interaction and yield stability analysis in finger millet (*Elucine coracana* L. Gaertn) in Ethiopia. *Am. J. Pl. Sci.* 2:408-415 (KAES 11-347-J).
 13. Tesso T. and G. Ejeta. 2011. Integrating multiple control options enhances Striga management and sorghum yield on heavily infested soils. *Agron. J.* 103:1464-1471 (KAES 10-154-J).
 14. Tesso, T., A. Tirfessa, and H. Mohammed. 2011. Association between morphological

traits and yield components in the durra sorghums of Ethiopia. *Hereditas* 148:98-109 (KAES 10-344-J).

15. Adugna, A., T. Tesso, T. Tadesse, E. Degu, G. Gebeyehu, S. Yetneberk, S. Admase, M. Bekele, Z. Elias, T. Woldu, T. Hadis, M. Teshome. 2011. Registration of malt sorghum varieties, Macia and Red Swazi. *Ethiopian Journal of Agricultural Sciences* 21:136-137 (KAES No. 12-113-J).
16. Adugna, A., T. Tesso, E. Degu, T. Tadesse, S. Yetneberk, S. Admase, M. Bekele, Z. Elias, T. Woldu, T. Hadis, M. Teshome. 2011. Registration of pearl millet [*Pennisetum glaucum* (L.) R. Br.] Variety, Kola-1. *Ethiopian Journal of Agricultural Sciences* 21:138-139 (KAES No. 12-114-J).
17. Tesso, T., and G. Ejeta. 2010. Stalk strength and reaction to infection by *Macrophomina phaseolina* of brown midrib maize (*Zea mays*) and sorghum (*Sorghum bicolor*). *Field Crops Res.* 120:271-275 (KAES No. 10-251-J).
18. Tesso, T. K. Kershner, K. Al-khatib, and M. Tuinstra. 2010. Registration of 34 sorghum germplasm lines resistant to Acetolactate synthase (ALS) inhibitor herbicides. *J. Plant Reg.* 5:215–219 (KAES No. 10-271-J).
19. Tesso T., N. Ochanda, L. Claffin, Christopher Little and M. Tuinstra. 2010. Analysis of host plant resistance to multiple *Fusarium* species associated with stalk rot diseases in sorghum [*Sorghum bicolor* (L.) Moench]. *Field Crops Res.* 118:177-182 (KAES No. 10-219-J).
20. Tesso T., N. Ochanda, L. Claffin and M. Tuinstra. 2009. An improved method for screening fusarium stalk rot resistance in grain sorghum [*Sorghum bicolor* (L.) Moench]. *African J. Plant Sci.* 3:254 – 262 (KAES No. 09-338-J).
21. Ming Li Wang, Chengsong Zhu, Noelle A. Barkley, Zhenbang Chen, John E. Erpelding, Seth C. Murray, Tesfaye Tesso, Gary A. Pederson, and Jianming Yu. 2009. Genetic diversity and population structure analysis of accessions in the u.s. historic sweet sorghum collection. *Theor. Appl. Genet.* 120:13-23 (KAES No. 09-353-J).
22. Vogler, K, T. Tesso, K. D. Johnson, and G. Ejeta. 2009. The effect of allelic variation on forage quality of brown midrib sorghum mutants with reduced caffeic acid O-methyl transferase (COMT) activity. *African Journal of Biochemistry Research*, 3:70-76.
23. Tesso T., B. Hamaker and G. Ejeta. 2008. Sorghum protein digestibility is affected by genetic constitution of endosperm cells. *Plant Breeding* 127:579-586.
24. Tesso, T., I. Kapran, C. Grenier, A. Snow, P. Sweeney, J. Pedersen, D. Marx, G. Bothma and G. Ejeta. 2008. The potential for crop-to-wild gene flow in sorghum in Ethiopia and Niger: A geographic survey. *Crops Sci.* 48:1425-1431.
25. Tadesse T., T. Tesso and G. Ejeta. 2008. Combining ability of introduced sorghum parental lines for major morpho-agronomic traits. *J. Semi-Arid Tropical Agric. Res.* 6:7(<http://eJournal.ICRISAT.org>).
26. Adugna A. and T. Tesso. 2008. Seed production potential of ICRISAT-bred parental lines of in the central Rift-valley of Ethiopia. *J. Semi-Arid Tropical Agric. Res.* 6:6(<http://eJournal.ICRISAT.org>).

27. Mamo, S., A. Ayana and T. Tesso. 2007. RAPD variation among long maturing sorghum [*Sorghum Bicolor* (L.) Moench] landraces from Ethiopia. *Acta Agronomica Hungarica* 55(30):375-382.
28. Tefera, H., K. Assefa, F. Hundera, T. Kefyalew and T. Tesso. 2006. Heritability and genetic advance in recombinant inbred lines of tef (*Eragrostis tef*). *Euphytica* 131:91-96.
29. Tesso, T., G. Ejeta, A Chandrashekar, A. Tandjung, M. Lewamy, C-P. Huang, J. Axtell and B. Hamaker. 2006. A novel modified endosperm Texture in mutant high protein digestible/high lysine grain sorghum [*Sorghum bicolor* (L)]. *Cereal Chem.* 83(2):194-201.
30. Tesso, T., M. Tuinstra and L. Claflin. 2005. Stalk rot resistance and analysis of genetic diversity among drought tolerant sorghum (*Sorghum bicolor*) genotypes. *Crop Sci.* 45:645-652.
31. Tesso, T., M. Tuinstra and L. Claflin. 2004. Estimation of combining ability for resistance to fusarium stalk rot in grain sorghum (*Sorghum bicolor*). *Crop Sci.* 44:1195-1200.
32. Geremew G., A. Asfaw, T. Taye, T. Tesso, B. Ketema, and HS. Michael. 2004. Development of Sorghum varieties and hybrids for dryland areas of Ethiopia. *Ugandan J. Agri. Sci.* 9:594-605.
33. Tesso, T., H. Tefera, B. Simane and M. Tuinstra. 2000. The influence of drought stress on yield and yield components of tef (*Eragrostis tef*). *Trop. Sci.* 40:40-45.
34. Tesso, T., H. Tefera, B. Simane and M. Tuinstra. 2000. The effect of moisture stress on growth, leaf water loss rate and phenological plasticity of tef (*Eragrostis tef*). *Trop. Sci.* 40:100-107.
35. Fufa, H., T. Hailu, A. Kebebew, T. Tesso, K. Tiruneh, and T. Girma. 2000. Grain yield stability analysis in late maturing genotypes of tef [*Eragrostis tef* (Zucc) Trotter]. *J. Genet. & Breed.* 54:13-18.
36. Hundera, F., H. Tefera, K. Assefa, T. Tesso and T. Kefyalew. 1999. Genetic variability and correlation of morpho-agronomic characters in tef landraces. *Trop. Sci.* 39:140-146.

Book Chapters

37. Degu E., A. Adugna, T. Tadesse and T. Tesso. 2009. Genetic resources, breeding and production of millets in Ethiopia. *Proceedings of International Workshop on New Approaches to Plant Breeding of Orphan Crops in Africa.* 19-21 September 2007, Bern, Switherland (in press).
38. Tesso, T., Z. Gutema, A. Deressa and G. Ejeta. 2007. An Integrated *Striga* Management Option offers effective control of *Striga* in Ethiopia. pp 199-212 In: G. Ejeta and J. Gressel (eds). *Integrating new technologies for Striga control: Towards ending the witch hunt.* World Scientific Publishing Co., Singapore.
39. Tesso, T., A. Deressa, Z. Gutema, A. Adugna, B. Beshir, T. Tadesse, O. Oumer and G. Ejeta. 2006. Integrated *Striga* management package provides relief from plague of witchweed. pp 141-158. In: Tsedeke Abate (ed.). *Successes with value chain.* Ethiopian

Ethiopian Institute of Agricultural Research, Addis Ababa, Ethiopia.

40. Tuinstra, M., T. Tesso, L. E. Claflin, R. G. Henzell, A. Borrell, N. Setharama, G. Ejeta and D. Rosnow. 2002. Breeding for Resistance to Stalk Rots in Sorghum. pp 281-286. *In: J.F. Leslie (ed.) Sorghum and Millet Diseases*. Iowa State Press, Iowa.

Proceedings and Newsletters

1. Adugna, A. and T Tesso. 2006. Genetic variability for seedling emergence in sorghum in the crusty soils of the central rift valley of Ethiopia. pp. 52-54 *International Sorghum and Millet Newsletter*, ICRISAT and SICNA, India.
2. Adugna, A. and T Tesso. 2006. Genotype by environment interaction in exotic sorghum hybrids in the lowlands of Ethiopia. pp. 55-57. *International Sorghum and Millet Newsletter*, ICRISAT and SICNA, India.
3. Zeleke, A., H. Tefera, G. Keneni, A. Ayana, T. Tesso, S. Assefa, D. Debelo, B. Simane (Eds.). 2006. *The Proceedings of the bi-annual conference of the Crop Science Society of Ethiopia*, 26-28 April 2004, Addis Ababa, Ethiopia.
4. Tuinstra, MR, T. Tesso, L.E. Claflin, R.G. Henzel, A. Borrell, N. Seetharama, G. Ejeta and D.T. Rosnow. 2001. Root and stalk rot resistance in sorghum. in: *proceedings of sorghum improvement conference in north America*. 18-20 February, Nashville, TN.

Research Abstracts and posters

1. Adeyanju, A. and T. Tesso. 2013. Association mapping for stalk rot resistance in sorghum. 2013 ASA, CSSA, SSSA. Madison, Wisconsin.
2. Werasooriya D., F. Maulana, T. Tesso, A. Tirfessa, A. Ayana, G. Mengistu and K. Noah. 2013. Population Structure, Genetic and Racial Diversity Analysis for Grain Mold Resistance in Selected Sorghum Accessions. 2013 ASA, CSSA, SSSA. Madison, Wisconsin. (poster, 3rd place).
3. Maulana, F., T. Tesso. 2013. Genetic diversity and population structure analysis of cold tolerant sorghums. Sorghum Improvement Conference of North America (SICNA) 28-30 August 2013, Lubbock TX.
4. Adeyanju Adedayo1, George Y. Mahama, Christopher Little, Tesfaye Tesso. Response of Sorghum Genotypes to Charcoal Rot and Fusarium Infection Under Three Nitrogen Fertilization Regimes. 2012 ASA, CSSA, SSSA. Madison, Wisconsin, (poster).
5. Dilooshi K. Weerasooriya, Tesfaye Tesso, Mitchell Tuinstra and Kassim Al-Khatib. Reduced Seedling Vigor and Intervinal Chlorosis Associated with ALS Mutation in Sorghum are Affected by Background Genotype. 2012 ASA, CSSA, SSSA. Madison, Wisconsin. (poster).
6. Adeyanju Adedayo1, George Y. Mahama, Christopher Little, Tesfaye Tesso. Response of sorghum genotypes to charcoal rot and Fusarium infection under three nitrogen Fertilization regimes. Oral presentation at the 2012 SICNA conference, August 27-30, 2012. Manhattan, Kansas. (Oral presentation competition, second place award winner).

7. Tesso T., M. Tuinstra, K. Al-Khatib, and K. Kershner. Breeding sorghum for resistance to grass weed killer herbicides. *Agronomy Abstracts*, 2011 ASA, CSSA, SSSA. Madison, Wisconsin.
8. Adeyanju A., and T. Tesso. Inheritance of threshability trait in sorghum. *Agronomy Abstracts*, 2011 ASA, CSSA, SSSA. Madison, Wisconsin.
9. Adeyanju A. and T. Tesso. Inheritance of threshability trait in sorghum. *Sorghum Improvement Conference of North America*, 12-14 September, Stillwater, Oklahoma.
10. Little C., T. Tesso, and R. Perumal. 2011. Collaborative stalk rot research efforts at K-State. *Sorghum Improvement Conference of North America*, 12-14 September, Stillwater, Oklahoma.
11. Maulana F. V. Prasad, and T. Tesso. Growth, phenology and yield components of sorghum as affected by early and mid season cold temperature stress. *Agronomy Abstracts*, 2011 ASA, CSSA, SSSA. Madison, Wisconsin.
12. Sukumaran S., Y. Wu, R. Mutava, P.V.V. Prasad, G. Bai, M.R. Tuinstra, T. Tesso, J. Yu. 2011. Candidate gene association mapping for drought tolerance in sorghum. *Plant and Animal Genome XIX Conference*, Jan. 15-19, 2011, San Diego, CA.
13. Perumal R., T. Tesso, R. Aiken, and C.R. Little. 2011. Research priorities and current status of sorghum breeding in Kansas – An overview. A poster presented at the *National Plant Breeders' Annual meeting*, May 16 2011, College Station, Texas.
14. Burow G., J. Burke, Z. Xin, T. Tesso, Jerry O'Rear, and Cleve Franks. 2010. Early season cold tolerance in sorghum. *Agronomy Abstracts 2010 ASA, CSSA, SSSA*, Madison, Wisconsin.
15. Maulana F. and T. Tesso. 2010. Analysis of cold tolerance in sorghum: Effect of early and mid-season cold stress on growth, and yield components. *Sorghum Improvement Conference of North America*, 11-12 August, Mead, Nebraska.
16. Godoy J. and T. Tesso. 2010. Enhancing sorghum as bio-fuel feedstock: Inheritance of juice yield, stem sugar and biomass production. *Kansas State Center for Sustainable Energy*. A poster presented on *Bioenergy Symposium 27-28 April 2010*, Manhattan KS.
17. Godoy J. and T. Tesso 2010. Inheritance of juice yield, stem sugar and biomass accumulation in sorghum. Poster presented at the *K-State Annual Research Forum Feb. 11 2010*, Manhattan, Kansas.
18. Maulana F. and T. Tesso. 2010. Effect of early- and mid-season cold temperature stress on growth, development and yield components of sorghum. Poster presented at the *K-State Annual Research Forum Feb. 11 2010*, Manhattan, Kansas.
19. Sukumaran S., Y. Wu, R. Mutava, P.V. Prasad, G. Bai, M. R. Tuinstra, T. Tesso, and J. Yu. 2009. Genomic mapping for drought tolerance in sorghum. *2009 Agronomy abstracts ASA/CSSA/SSSA*, Madison, Wisconsin.
20. Yan S., X. Wu, S. Bean, J. Pederson, T. Tesso, Y. Chen, and D. Wang. 2009. Evaluation of waxy sorghum for ethanol production. Presented at the *2009 American Association of Cereal Chemistry International Annual Meeting at Baltimore, Maryland. Sep. 13-16, 2009*.

21. Tesso, T. and G. Ejeta. 2007. Integration of host plant resistance with agronomic options reduces scourge of Striga in Sorghum [*Sorghum bicolor* (L.) MOENCH]. Third General meeting on Breeding Biotechnology and seed systems for African crops organized by the Rockefeller Foundation, March 26-29, Maputo, Mozambique.
22. Snow, A. P. Sweeney, C. Grenier, G. Ejeta, T. Tesso, I. Kapran, G. Bothma and J. Pedersen. 2007. Lifetime fecundity of F1 crop-wild sorghum hybrids: implications for gene flow from transgenic sorghum in Africa. *North Central Weed Science Society Proceedings* 62:77.
23. Tesso, T., I. Kapran, C. Grenier, A. A. Snow, P. Sweeney, J. Pedersen, D. Marx, G. Bothma and G. Ejeta. 2005. Potential of crop-to-wild gene flow in sorghum in Ethiopia and Niger: a geographic survey. *North Central Weed Science Society, Kansas City, MO*. <http://www.ncwss.org/meeting/2005/GeneFlow05.htm>
24. Ejeta, G., Tesso T. and Z. Gutema. 2005. Integrating agronomic options for control of Striga in sorghum. *Agronomy Society of America, Madison, WI*
25. Tesso, T., M. Tuinstra and L.E. Clafin. 2002. Resistance to fusarium stalk rot in grain sorghum: PP. 476. In: In: J.F. Leslie (ed.) *Sorghum and Millet Diseases*. Iowa State Press, Iowa.
26. Tesso, T., M. Tuinstra, and L. Clafin. 2001. Analysis of genetic diversity for stalk rot resistance in grain Sorghum (*Sorghum bicolor*). 2001 *Agronomy abstracts, ASA, CSSA, SSSA*. (CD-ROM computer file).

Invited talks

1. Tesso, T and A. Adeyanju. 2013. The State of Sorghum Breeding in Africa. *Sorghum Genomics workshop* organized by the Bill and Melinda Gates Foundation, 9-10, December 2013, Seattle, WA.
2. Adeyanju, A. and T. Tesso. 2013. Genome wide association study of resistance to stalk-rots in sorghum. *Sorghum Improvement Conference of North America*, 28-30 August 2013, Lubbock, TX.
3. Tesso, T. 2012. Sustainable sorghum production for improved food security and increased income. *INTSORMIL regional workshop*, 3-4 September 2012, Adama, Ethiopia.
4. Tesso, T. 2011. Enhancing production and value of the sorghum crop: The role of multi-stakeholder partnership. *The National Nuclear Energy Agency, Jakarta, Indonesia*, 03 March 2011.
5. Tesso, T. 2011. Sorghum breeding program at Kansas State University, Bogor Agricultural University, Department of Agronomy and Horticulture, Bogor, Indonesia, March 2011.
6. Tesso, T. 2010. Breeding Sorghum for Improved Production, utilization and adaptation to marginal environments. *Sorghum Improvement Conference of North America*, 11-12

August 2010, Mead Nebraska.

7. Tesso, T. 2010. Overview of sorghum breeding program at Kansas State University. Department of Grain Science, Kansas state University.
8. Tesso, T. and G. Ejeta. 2007. Integration of host plant resistance with agronomic options reduces scourge of Striga in Sorghum [Sorghum bicolor (L.) MOENCH]. Third General meeting on Breeding Biotechnology and seed systems for African crops organized by the Rockefeller Foundation, March 26-29, Maputo, Mozambique.
9. Tesso, T. 2007. The State of sorghum and millet production in Ethiopia and major constraints. Project development workshop, ICRISAT/BMGF, Nairobi Kenya, Nov 28.
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