

ROBERT FLYNN, PH.D.
Extension Plant Sciences Dept.
Plant and Environmental Sciences Dept.
NMSU Agricultural Science Center at Artesia
rflynn@nmsu.edu 575-748-1228

EDUCATION

Ph.D., Agronomy and Soils, 1995. Auburn University. Area of Specialization: Plant nutrient management and soil fertility.

M.S. 1990 Agronomy, Colorado State University.

B.S. 1986 Agronomy, Colorado State University.

WEBSITE

WESTERNSOILS.NMSU.EDU

EMPLOYMENT

2002-present Associate Professor, Department of Extension Plant Sciences, NMSU

1995-2001 A Professor, Department of Extension Plant Sciences, NMSU

1990-1995 Graduate Research Assistant, Auburn University

1985-1989 Summer Agro-Engineering Agricultural Consulting Company, Alamosa, CO

1984 Internship with Servi-Tech consulting, Oberlin, KS

HONORS AND AWARDS

2012 CSU Extension Team Award, Colorado State University Extension. Composting Animal Mortality Publication and Video.

2012 ASA Educational Materials Awards Program – Audio Visual

2012 Education Materials Program – Publications over 16 pages

2009. Distinguished Extension Award. College of Agricultural, Consumer and Environmental Sciences. NMSU.

Students Advised

Graduate Students: Graduated 3 Ph.D., co-advised four Ph.D. graduates and seven M.S. students.

Refereed Journal Articles (last 5 years) (*indicates student)

Vijayasatya N. Chaganti, Girisha Ganjegunte, Anil Somenahally, William L. Hargrove, April Ulery, Juan M. Enciso, Robert Flynn. Response of soil organic carbon and soil health indicators to treated wastewater irrigation in bioenergy sorghum production on an arid soil. *Dev.* 2021; 1-13. <https://doi.org/10.1002/ldr.3888>

Elias, E. H., Flynn, R. P., Idowu, O. J., Reyes, J., Sanogo, S., Schutte, B. J., Smith, R., Steele, C. M., Sutherland, C. A. (2019). Crop vulnerability to weather and climate risk: Analysis of interacting systems and adaptation efficacy for sustainable crop production. *Sustainability*, 11(23). <https://doi.org/10.3390/su11236619>, Date Accepted: November 2019.

Chaganti, V.N., G. Ganjegunte, G. Niu, A. Ulery, R. Flynn, J.M. Enciso, M.N. Meki, J.R. Kiniry. 2019. Effects of treated urban wastewater irrigation on bioenergy sorghum and soil quality. *Agricultural Water Management*, 105894 <https://doi.org/10.1016/j.agwat.2019.105894> R. P. Flynn.

Moran Duran, S. A., Flynn, R. P., Heerema, R., VanLeeuwen, D. (2020) Leaf Net Photosynthesis, Leaf Greenness and Shoot Lignin Content of Non-Bearing Pecan Trees at Two Nitrogen and Nickel Application Rates. *HORTSCIENCE* 55(2):231–236. 2020

Idowu, O. J., Ghimire, R., Flynn, R. P., Ganguli, A. C. (2019). Soil Health-Importance, Assessment, and Management. *Circular 694B* (pp. 16). Las Cruces, NM: New Mexico State University, Cooperative Extension Service.

Idowu, O. J., Ghimire, R., Flynn, R. P., Ganguli, A. C. (2019). Executive Summary: Soil Health-Importance, Assessment, and Management. *Circular 694A* (pp. 2). Las Cruces, NM: New Mexico State University, Cooperative Extension Service.

Idowu, O. J., Ghimire, R., Flynn, R. P., Ganguli, A. C. (2019). Soil Health-Importance, Assessment, and Management. *Circular 694B* (pp. 16). Las Cruces, NM: New Mexico State University, Cooperative Extension Service.

Idowu, O. J., Ghimire, R., Flynn, R. P., Ganguli, A. C. (2019). Executive Summary: Soil Health-Importance, Assessment, and Management. *Circular 694A* (pp. 2). Las Cruces, NM: New Mexico State University, Cooperative Extension Service.

Zhang, J., Flynn, R. P. (2019). Genetic gains of Acala 1517 cotton since 1926. *Crop Science*, 59, 1052-1061.

Flynn, R. P., Idowu, O. J. (2017). *CR687: Managing Organic Matter in Farm and Garden Soils.*, Date Submitted: April 21, 2016, Date Accepted: November 27, 2017.

Zhang, J., Flynn, R. P., Hughs, S. E., Jones, D. (2016). Registration of ‘Acala 1517-10 B2RF’ cotton, a new Acala cotton cultivar with insect and herbicide resistance. *Journal of Plant Registrations*, 10(2), 228-232.

Zhang, J., Flynn, R. P., Idowu, O. J., Wedegaertner, T., Hughs, S. E. (2016). Transgressive segregation in an Acala × Acala hybrid for the development of glandless cotton germplasm. *Journal of Cotton Science*, 20(2), 145-153., Date Submitted: December 2015.

Flynn, R. P., Idowu, O. J. (2017). *CR687: Managing Organic Matter in Farm and Garden Soils.*

Zhang, J., Idowu, O. J., Flynn, R. P., Hughs, S. E., Jones, D., Wedegaertner, T. (2016). Registration of glandless ‘NuMex COT 15 GLS’ cotton. *Journal of Plant Registrations*, 10(3), 223-227

Yao, S., Guldan, S. J., Flynn, R. P., Ochoa, C. (2015). Challenges of Strawberry Production in High-pH Soil at High Elevation in the Southwestern U.S.. *HortScience*, 50(2), 254-258.