

Thomas J. Molnar, Ph.D.

Associate Professor. Plant Biology Department. 180 Foran Hall, 59 Dudley Road, New Brunswick, NJ 08901. Phone: (848) 932-6330; Fax: (732) 932-9441; email: thomas.molnar@rutgers.edu

Website: <https://plantbiology.rutgers.edu/faculty/molnar/Thomas-Molnar.html>

Educational Background

Undergraduate

Rutgers, the State University of New Jersey
School of Environmental and Biological Sciences
New Brunswick, NJ, 08901
B.S. in Plant Science, 2000

Graduate

Rutgers, the State University of New Jersey
School of Environmental and Biological Sciences
New Brunswick, NJ, 08901
Ph.D. in Plant Biology, 2006

Professional Appointments

- July 2014–present: Associate Professor, Department of Plant Biology, Rutgers University.
- July 2008–present: Assistant Professor, Department of Plant Biology and Pathology. Rutgers University.
- July 2007–June 2008: Research Assistant Professor, Non-Tenure Track, Department of Plant Biology and Pathology. Rutgers University.
- January 2004–June 2007: Assistant Instructor, Department of Plant Biology and Pathology, Rutgers University.
- September 2001–December 2003: Graduate Assistant, Department of Plant Biology and Pathology. Rutgers University.
- September 2000–August 2001: Albert Fellows Graduate Fellowship, Department of Plant Biology and Pathology. Rutgers University

Teaching Responsibilities

2004–present: Plant Propagation spring semesters (11:776:310, 3-credit)

2014-present: Plant Breeding spring semester, co-taught with T. Orton and S. Bonos (11:776:406, 4 credit)

2016- present: Graduate Seminar topic Plant Breeding, co-taught with S. Bonos, every other fall (16:765:624, 1-credit)

Scholarships and Awards

Rutgers University Chancellor's Scholar	2017-2022
"Big Nut" Northern Nut Growers Association	2017
Rutgers University Graduate School Research Award	2005
Gerald O. Mott Meritorious Graduate Student Award in Crop Science	2005
Northeast Branch American Society of Agronomy and Soil Science Society of America Graduate Student Award	2004
Albert Fellows Graduate Excellence Fellowship, Rutgers Univ.	2000-2004

Memberships in Professional Organizations

Northern Nut Growers Association, *Secretary and Member of the Board of Directors 2007-2018*;
American Society for Horticultural Science, *2014 President of the Northeast branch of the ASHS*;
International Society for Horticultural Science; Nut Growers Society of OR, WA, and BC; American
Pomological Society; International Plant Propagators Society; Co-Chair Southern Plant Conference of the
Southern Nursery Association (2018-)

Publications

Dissertation:

Molnar, T. J. 2006. Genetic resistance to eastern filbert blight in hazelnut (*Corylus*). Ph.D. Dissertation. 113 pages. Department of Plant Biology and Pathology, Rutgers University, New Brunswick, New Jersey.

Refereed publications (*denotes when corresponding author):

1. Bonos, S.A., E. Watkins, J.A. Honig, M. Sasa, T.J. Molnar, J.A. Murphy, and W.A. Meyer. 2001. Breeding cool-season turfgrasses for wear tolerance using a wear simulator. *International Turfgrass Society Research Journal* 9:137–145.
2. Perdomo, P., T.J. Molnar, T.M. Ford, W.A. Meyer, and C.R. Funk. 2003. Registration of 'Secretariat' perennial ryegrass. *Crop Science* 43:439–440.
3. Bonos, S.A., W.A. Meyer, T.J. Molnar, and C.R. Funk. 2003. Registration of 'Jefferson' Kentucky bluegrass. *Crop Science* 43:738–739.
4. Bonos, S.A., T. Brentano, T.J. Molnar, W.A. Meyer, and C.R. Funk. 2004. Registration of 'Lakeshore' Kentucky bluegrass. *Crop Science* 44:1481–1482.
5. Yezhov, V.N., A.V. Smykov, V.K. Smykov, S.Y. Khokhlov, D.E. Zaurov, S.A. Mehlenbacher, T. J. Molnar*, J.C. Goffreda, and C.R. Funk. 2005. Genetic resources of temperate and subtropical fruit and nut species at the Nikita Botanical Gardens. *HortScience* 40:5–9.
6. Mavlyanova, R.F., F.Kh. Abdullaev, P. Khodjiev, D.E. Zaurov, T.J. Molnar*, J.C. Goffreda, T.J. Orton, and C.R. Funk. 2005. Plant genetic resources and scientific activities of the Uzbek Research Institute of Plant Industry. *HortScience* 40:10–14.
7. Ford, T.M., W.A. Meyer, T.J. Molnar, G. Zhang, and C.R. Funk. 2005. Registration of 'Sonoma' Kentucky bluegrass. *Crop Science* 45:1655–1656.

8. Ford, T.M., W.A. Meyer, R.A. Bara, T.J. Molnar, and C.R. Funk. 2005. Registration of 'Bordeaux' Kentucky bluegrass. *Crop Science* 45:1654–1655.
9. Molnar, T.J.*, S.N. Baxer, and J.C. Goffreda. 2005. Accelerated screening of hazelnut seedlings for resistance to eastern filbert blight. *HortScience* 40:1667–1669.
10. Molnar, T.J.*, S.A. Mehlenbacher, D.E. Zaurov, and J.C. Goffreda. 2007. Survey of hazelnut germplasm from Russia and Crimea for response to eastern filbert blight. *HortScience* 42:51–56.
11. Ibragimov, P.S., V.A. Avtonomov, A.B. Amanturdiev, S.E. Namazov, D.E. Zaurov, T.J. Molnar*, S.W. Eisenman, T.J. Orton, and C.R. Funk. 2008. Uzbek Scientific Research Institute of Cotton Breeding and Seed Production: breeding and germplasm resources. *Journal of Cotton Science* 12:62–72.
12. Abdushukur, A.K., G.M. Chernova, A.M. Rakhmonov, L.V. Nikolyyi, E. Ablaeva, D.E. Zaurov, T.J. Molnar*, S.W. Eisenman, and C.R. Funk. 2009. Genetic resources of *Pistacia vera* L. in Central Asia. *Genetic Resources and Crop Evolution* 56:429–443.
13. Molnar, T.J.*, J.C. Goffreda, and C.R. Funk. 2010. Survey of *Corylus* resistance to *Anisogramma anomala* from different geographic locations. *HortScience* 45:832–836.
14. Molnar, T.J.*, J. Capik, S. Zhao, N. Zhang. 2010. First report of eastern filbert blight on *Corylus avellana* 'Gasaway' and 'VR20-11' caused by *Anisogramma anomala* (Peck) E. Müller in New Jersey. *Plant Disease* 94:1265.
15. Molnar, T.J.* and J.M. Capik. 2012. Eastern filbert blight susceptibility of American × European hazelnut progenies. *HortScience* 47:1412-1418.
16. Capik, J.M. and T.J. Molnar*. 2012. Assessment of host (*Corylus* sp.) resistance to eastern filbert blight in New Jersey. *Journal of the American Society for Horticultural Science* 137:157–172.
17. Hosseinpour, A., E. Seifi, D. Javadi, S.S. Ramezanpour, and T.J. Molnar. 2013. Nut and kernel characteristics of twelve hazelnut cultivars grown in Iran. *Scientia Horticulturae* 150:410–413.
18. Capik, J.M., M. Muehlbauer, A. Novy, J.A. Honig, and T.J. Molnar*. 2013. Eastern filbert blight resistant hazelnuts from Russia, Ukraine, and Poland. *HortScience* 48:466–473.
19. Molnar, T.J., E. Walsh, J.M. Capik, V. Sathuvalli, S.A. Mehlenbacher, A.Y. Rossman, and N. Zhang. 2013. A real-time PCR assay for early detection of eastern filbert blight. *Plant Disease* 97:813–818.
20. Hosseinpour, A., E. Seifi, and T.J. Molnar. 2013. Position and density of pistillate inflorescences of some hazelnut cultivars grown in Iran. *Journal of Agricultural Science* 5:135-131.
21. Zaurov, D.Z., T.J. Molnar*, S.W. Eisenman, T.M. Ford, R.F. Mavlyanova, J.M. Capik, C.R. Funk, and J.C. Goffreda. 2013. Genetic resources of apricots (*Prunus armeniaca* L.) in Central Asia. *HortScience* 48:681–691.
22. Molnar, T.J.*, P.C. Kahn, T.M. Ford, C.J. Funk, and C. R. Funk. 2013. Tree crops, a permanent agriculture: concepts from the past for a sustainable future. *Resources* 2: 457-488
<http://www.mdpi.com/2079-9276/2/4/457/htm>
23. Cai, G., C. Leadbetter, M. Muehlbauer, T.J. Molnar, and B.I. Hillman. 2013. Genome-wide microsatellite identification in the fungus *Anisogramma anomala* using Illumina sequencing and genome assembly. *PLoS ONE* 8(11): e82408. doi:10.1371/journal.pone.0082408
24. Capik, J.M. and T.J. Molnar*. 2014. Flowering and budbreak phenology of hazelnuts in New Jersey. *HortTechnology* 24:196-208

25. Muehlbauer, M.F., J.A. Honig, J.M. Capik, J.N. Vaiciunas, and T.J. Molnar*. 2014. Characterization of eastern filbert blight-resistant hazelnut germplasm using microsatellite markers. *Journal of the American Society for Horticultural Science*. 139:399-432
26. Mattera, R., T. Molnar, and L. Struwe. 2015. *Cornus* × *elwinortonii* and *Cornus* × *rutgersensis* (Cornaceae), new names for two artificially produced hybrids of big-bracted dogwoods. *Phytokeys* 55:93–111 <http://phytokeys.pensoft.net/articles.php?id=5829>
27. Leadbetter, C.W., J.M. Capik, M. Pisetta, and T.J. Molnar*. 2015. Sources of resistance to eastern filbert blight in hazelnuts from the Republic of Georgia. *Scientia Horticulturae* 193:269–275.
28. Leadbetter, C.W., J.M. Capik, Mehlenbacher, S.A., and T.J. Molnar*. 2016. Hazelnut accessions from Russia and Crimea transmit resistance to eastern filbert blight. *Journal of the American Pomological Society* 70:92-109.
29. Capik, JM, M. Muehlbauer, P. Wadl, and T.J. Molnar*. 2017. *Cornus kousa* ‘Rutpink’ (Scarlet Fire®) dogwood. *HortScience*. 52:1438–1442.
30. Muehlbauer, M., J.M. Capik, T.J. Molnar*, and S.A. Mehlenbacher. 2018. Assessment of the ‘Gasaway’ source of resistance to eastern filbert blight in New Jersey. *Scientia Horticulturae* 235:367-372
31. Nowicki, M., S.L. Boggess, A.M. Saxton, D. Hadziabdic, Q-YJ Xiang, T. Molnar, M.L. Huff, M.E. Staton, Y. Zhao, and R. N. Trigiano. 2018. Haplotyping of *Cornus florida* and *C. kousa* chloroplasts: insights into species-level differences and patterns of plastic DNA variation in cultivars. *PLoS ONE* 13(10): e0205407. <https://doi.org/10.1371/journal.pone.0205407>
32. Wadl, P.A., B.M. Mack, S.B. Beltz, G.G. Moore, R.E. Baird, T.A. Rinehart, T. J. Molnar, M.E. Staton, D. Hadziabdic, and R.N. Trigiano. 2018. Development of genomic resources for the powdery mildew, *Erysiphe pulchra*. *Plant Disease* <https://doi.org/10.1094/PDIS-05-18-0719-A>
33. Molnar*, T.J., S.A. Mehlenbacher, P. Engel, and J.M. Capik. 2019. Multiple sources of eastern filbert blight resistance provide breeding utility in New Jersey. *Journal of the American Pomological Society*. 73:178-192
34. Muehlbauer, M.F., Tobia J., Honig, J.A., Zhang N., Hillman, B.I., Morey Gold, K., and T.J. Molnar. 2019. Population differentiation within *Anisogramma anomala* in North America. *Phytopathology*. 109:1074-1082. Published Online: 29 Apr 2019 <https://doi.org/10.1094/PHYTO-06-18-0209-R>
35. Revord, R, S. Lovell, T. Molnar, K. Wolz, and C. Mattia. 2019. Germplasm Development of Underutilized Temperate U.S. Tree Crops. *Sustainability*. 11. 1546. 10.3390/su11061546.
36. Honig, J. A., M.F. Muehlbauer, J.M. Capik, C. Kubik, J. N. Vaiciunas, S. A. Mehlenbacher, and T. J. Molnar. 2019. Identification and Mapping of Eastern Filbert Blight Resistance Quantitative Trait Loci in European Hazelnut Using Double Digestion Restriction Site Associated DNA Sequencing. *Journal of the American Society for Horticultural Science*. 144: 295-304 DOI: <https://doi.org/10.21273/JASHS04694-19>
37. Revord, R.S., S.T. Lovell, J.M. Capik, S.A. Mehlenbacher, and T.J. Molnar*. 2020. Eastern Filbert Blight Resistance in American and Interspecific Hybrid Hazelnuts. *Journal of the American Society for Horticultural Science*. 145:162-173. <https://doi.org/10.21273/JASHS04732-19>
38. Revord, R.S., S.T. Lovell, P. Brown., J.M. Capik, and T.J. Molnar. 2020. Using Genotyping-By-Sequencing Derived SNPs to Examine Genetic Structure and Identify a Core Set of *Corylus*

americana germplasm. 2020. Tree Genetics and Genomes. 16:65 <https://doi.org/10.1007/s11295-020-01462-y>

Book Chapters:

1. Molnar, T. 2011. *Corylus* L. p. 15-48. In: C. Kole (ed.) Wild crop relatives: genomic and breeding resources of forest trees (Volume 10). Springer-Verlag.
2. Botta, R. T.J. Molnar, E. Erdogan, N. Valentini, D. Torello Marinoni, S.A. Mehlenbacher. 2019. Hazelnut (*Corylus* spp.) breeding. In: Advances in Plant Breeding Strategies, Vol. 4. Pg 157-219 Nut and Beverage Crops. Al-Khayri, Jameel M., Jain, S. Mohan, Johnson, and Dennis V. (Eds.) Springer, Cham. <https://doi.org/10.1007/978-3-030-23112-5>
3. Mehlenbacher, S.A. and T.J. Molnar. 2021. Hazelnut (*Corylus*) breeding. Plant Breeding Reviews. *In press*.

Acta Horticulturae (International Society for Horticultural Science) publications:

1. Molnar, T.J., J.C. Goffreda, and C.R. Funk. 2005. Developing hazelnuts for the eastern United States. Acta Hort 68:609–617.
2. Letchamo, W., T.J. Molnar, and C.R. Funk. 2007. Eco-genetic variations in biological activities of seaberry (*Hippophae rhamnoides*). Acta Hort 756:229-243.
3. Molnar, T.J., J.M. Capik, and J.C. Goffreda. 2009. Response of hazelnut progenies from known resistant parents to *Anisogramma anomala* in New Jersey, U.S.A. Acta Hort 845:73–81.
4. Molnar, T.J. and J.M. Capik. 2012. Advances in hazelnut research in North America. Acta Hort 940:57–65.
5. Molnar, T.J. and J.M. Capik. 2013. The Rutgers University woody ornamentals breeding program: past, present, and future. Acta Hort 990:271–280.
6. Molnar, T.J., K. Morey and J.M. Capik. 2014. Evaluating sources of hazelnut resistance to eastern filbert blight in New Jersey, USA. Acta Hort. 1052:45-59
7. Muehlbauer, M., T. Villani, J. Simon, H. Juliani and T. Molnar. 2016. Lipid profiles of a diverse collection of *Corylus* species and interspecific hybrids. Acta Hort 1109:29-33. DOI 10.17660/ActaHortic.2016.1109.5
8. Molnar, T.J. 2017. Going nuts: continuing a 40-year-old woody ornamental breeding program. Acta Hort 1174: 305-312 (Combined Proceedings of the International Plant Propagators' Society 67:305-312; DOI: 10.17660/ActaHortic.2017.1174.62)
9. Muehlbauer, M. J. Honig, and T. Molnar. 2018. The use of chloroplast gene sequences to confirm maternal backgrounds of powdery mildew resistant interspecific hybrid dogwood (*Cornus kousa* x *C. florida*). Acta Hort 1191: 17-26 (DOI 10.17660/ActaHortic.2018.1191.3)
10. Molnar, T.J., J.A. Honig, A. Mayberry, R.S. Revord, S.T. Lovell, S.A. Mehlenbacher, and J.M. Capik. 2018. *Corylus americana*: a valuable genetic resource for developing hazelnuts adapted to the eastern United States. Acta Hort 1226:115-121 (DOI 10.17660/ActaHortic.2018.1226.11)
11. Molnar, T.J., J.J. Lombardoni, M.F. Muehlbauer, J.A. Honig, S.A. Mehlenbacher, and J.M. Capik. 2018. Progress breeding for resistance to eastern filbert blight in the eastern United States. Acta Hort 1226:79-85 (DOI 10.17660/ActaHortic.2018.1226.11)

12. Lombardoni, J.J., J.A. Honig, J. Vaiciunas, C. Kubik, J. Capik, S. Mehlenbacher and T.J. Molnar. 2018. Evaluation of European hazelnut (*Corylus avellana*) genetic diversity using a genotyping-by-sequencing approach. *Acta Hort.* 1280:11-16. DOI 10.17660/ActaHortic.2020.1280.2
13. Molnar, T.J. 2018. Breeding Powdery Mildew Resistant Dogwoods and More at Rutgers University. *Proceedings of the International Plant Propagators' Society Combined Proceedings.* 68:385-395

Other non-refereed publications:

1. Johnson-Cicalese, J.M., W.A. Meyer, M. Mohr, K. Plumley, and T. Molnar. 1997. Developing Kentucky bluegrass cultivars with improved resistance to billbugs. *Rutgers Turfgrass Proceedings* 29:157–176.
2. Molnar, T. 2003. Persian walnuts from Uzbekistan and Kyrgyzstan. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 57:23.
3. Funk, C.R., T.J. Molnar, and W.A. Meyer. 2003. Potential of *Poa angustifolia* L. as a low- to medium-low maintenance turfgrass. *Rutgers Turfgrass Proceedings* 35:193.
4. Funk, C.R., T.J. Molnar, and W.A. Meyer. 2004. Germplasm collection, evaluation, and recurrent population improvement of turfgrasses and under-utilized perennial food crops, p. 16–21. *Proceedings of the Thirteenth Annual Rutgers Turfgrass Symposium.* Center for Turfgrass Science. Cook College. Rutgers University.
5. Orton, E.R. and T. Molnar. 2004. VENUS™ dogwood introduced by NJEAS/Cook College. *New Jersey Nursery and Landscape Association Newsletter* 2(4):8.
6. Orton, E.R. and T.J. Molnar. 2005. Stellar® and Jersey Star® Dogwood. *American Nurseryman* 201(8):38-42.
7. Funk, C.R., T. Molnar, G. Zhang, and S. Baxer. 2005. A new green revolution, p. 39. *Proceedings of the Fourteenth Annual Rutgers Turfgrass Symposium.* Center for Turfgrass Science. Cook College. Rutgers University.
8. Funk, C.R. and T. Molnar. 2006. Genetic improvement of perennial plants for food, feed, fiber, timber, bioenergy, and environmental enhancement, p. 36. *Proceedings of the Fifteenth Annual Rutgers Turfgrass Symposium.* Center for Turfgrass Science. Cook College. Rutgers University.
9. Molnar, T.J. and S. Baxer. 2006. Backyard breeding: hazelnuts. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 60:12-17.
10. Molnar, T.J., S.N. Baxer, G. Zhang, and C.R. Funk. 2007. Role of turfgrasses and other landscape plants in reducing global warming and our addiction to fossil fuels, p. 44. *Proceedings of the Sixteenth Annual Rutgers Turfgrass Symposium.* Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
11. Capik, J. and T.J. Molnar. 2007. Chip bud layering: an easy way to produce rooted layers of hazelnuts. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 61:15–18.
12. Molnar, T.J., S.N. Baxer, and C.R. Funk. 2008. Genetic improvement of perennial crops for a sustainable future, p. 48. *Proceedings of the Seventeenth Annual Rutgers Turfgrass Symposium.* Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.

13. Molnar, T.J., D.Z. Zaurov, and C.R. Funk. 2008. Nut research and breeding at Rutgers University, p. 248-256. 2nd International Conference: Conservation and sustainable use of plant resources. Bishkek, September 11–14, 2008.
14. Molnar, T.J., J. Capik, D. Zaurov, E. Fargo, and C.R. Funk. 2009. Perennial plants for a sustainable future: progress and perspectives at Rutgers, p. 49–51. Proceedings of the Eighteenth Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
15. Molnar, T.J. and M. Pisetta. 2009. Searching for resistance to eastern filbert blight: hazelnuts from the Republic of Georgia. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 63(4):16–22.
16. Molnar, T.J., J. Capik, D. Zaurov, A. Morgan, and C.R. Funk. 2010. Hybrid hazelnut consortium: a collaborative national effort to expand hazelnut production, p. 47. Proceedings of the Nineteenth Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
17. Inzano, M. and T.J. Molnar. 2010. The brown marmorated stink bug: A new pest of hazelnuts. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 64(4):16–32.
18. Molnar, T.J. 2010. A new call for hazelnuts. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 64(1):31–32.
19. Molnar, T.J. 2010. A (second) new call for hazelnuts. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 64(2):12.
20. Molnar, T.J. 2010. Eastern filbert blight: does genetic resistance hold up across different regions? *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 64(2):16–24.
21. Molnar, T.J. and D.E. Zaurov. 2010. Persian walnut (*Juglans regia* L.) germplasm collection from Kyrgyzstan and Uzbekistan, p. 266-271. In: International Conference, Plant introduction, biodiversity conservation and plant use. The Goreev Botanical Garden of the National Academy of Science of the Kyrgyz Republic, Bishkek, Kyrgyzstan. September 7–9, 2010.
22. Capik, J.M. and T.J. Molnar. 2010. Breeding ornamental hazelnuts. *Combined Proceedings of the International Plant Propagators' Society* 60:136–146.
23. Kahn, P.C., T.J. Molnar, G. Zhang, and C.R. Funk. 2011. Investing in perennial crops to sustainably feed the world. *Issues in Science and Technology*, Summer 2011: 75–81. <http://issues.org/27-4/kahn-2/>
24. Molnar, T.J., D.E. Zaurov, J.M. Capik, S.W. Eisenman, T. Ford, L.V. Nikolyi, and C.R. Funk. 2011. Persian walnuts (*Juglans regia* L.) in Central Asia. *Annual Report of the Northern Nut Growers Association* 101:56–69.
25. Molnar, T.J. 2011. Nut tree research and breeding at Rutgers University. *Annual Report of the Northern Nut Growers Association* 101:7–113.
26. Molnar, T.J. 2011. Expansion of hazelnut research in North America. *FAO-CIHEAM-NUCIS Newsletter*, Number 15:33-37.
27. Capik, J. and T.J. Molnar. 2011. A call for hazelnuts revisited. *The Nutshell*, quarterly newsletter of the Northern Nut Growers Association 65(4):16–18.
28. Molnar, T.J., J. Capik, C. Leadbetter, D. Zaurov, and C. R. Funk. 2011. Progress identifying new hazelnut germplasm expressing resistance to eastern filbert blight, p. 42. Proceedings of the

- Nineteenth Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
29. Molnar, T.J. and J. Capik. 2012. From turf to nuts: where have we gone in 16 years of plant breeding, p. 25–28. Proceedings of the Twenty-first Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
 30. Molnar, T.J., J.M. Capik, C.W. Leadbetter, N. Zhang, G. Cai, and B.I. Hillman. 2012. Developing hazelnuts (*Corylus* spp.) with durable resistance to eastern filbert blight caused by *Anisogramma anomala*. In: Sniezko, Richard A.; Yanchuk, Alvin D.; Kliejunas, John T.; Palmieri, Katharine M.; Alexander, Janice M.; Frankel, Susan J., (tech. coords.). Proceedings of the fourth international workshop on the genetics of host-parasite interactions in forestry: disease and insect resistance in forest trees. Gen. Tech. Rep. PSW-GTR-240. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture.
 31. Molnar, T.J. 2013. Expanding agriculture with underutilized perennial tree crops: taking a great idea and making it a reality, p. 18-19. Proceedings of the Twenty-second Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
 32. Muehlbauer, M., J.M. Capik, and T.J. Molnar. 2013. Hazelnuts: an emerging crop for the northeast. Horticultural News 93:20-26. <http://www.umassfruitnotes.com/v78n2/a4.pdf>
 33. Muehlbauer, M., K. Morey, J. Capik, J. Honig, and T. Molnar. 2014. Enhancing the Evaluation of New Hazelnut Germplasm from Turkey and the Baltic Region with the Use of Molecular Tools. p. 45-46. Proceedings of the Twenty-third Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University
 34. Capik, J. and T. Molnar. 2014. 4-Year Flowering Study of Eastern Filbert Blight-Resistant Hazelnuts in New Jersey. Annual Report of the Northern Nut Growers Assoc. 104:21-24
 35. Muehlbauer, M., T. Molnar. 2014. Hazelnuts, a Potential New Crop for the Northeast: An update on the Rutgers University Breeding Program. Horticultural News 94:1-3
<http://umassfruitnotes.com/v79n4/a1.pdf>
 36. Zaurov, D.E., Molnar, T.J., Capik, J., Nikolyi, L.V. Sardorov, M.N., Ford, T. and S.W. Eisenman. 2014. Persian walnuts (*Juglans regia* L.) in Central Asian countries: Uzbekistan, Tajikistan, Kazakhstan and Turkmenistan. pp. In: Following Walnut Footprints – Cultivation and Culture, Folk and History, Traditions and Uses, Scripta Horticulturae no. 17. International Society for Horticultural Science.
 37. Molnar, T.J., A. Morgan, and J. Capik. 2015. Eastern filbert blight-resistant hazelnut selections: Gordon 1, Gordon 2, Gordon 3, and Gordon 4. Annual Report of the Northern Nut Growers Assoc. 105:6-12
 38. Muehlbauer, M., J. Capik, K. Morey, J. Honig, and T. Molnar. 2015. Genetic Characterization of New Eastern Filbert Blight-Resistant Germplasm Turkey, Latvia, and Lithuania. P. 17. Proceedings of the Twenty-fourth Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University.
 39. Molnar, T.J., J. Capik, J.A. Honig, M. Muehlbauer, and S. Mehlenbacher. 2016. Securing and expanding the U.S. hazelnut industry through breeding for resistance to eastern filbert blight. Pg 64-67. Proceedings of the Twenty-fifth Annual Rutgers Turfgrass Symposium. Center for Turfgrass Science. School of Environmental and Biological Sciences. Rutgers University

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72. Mayberry, A., S.A. Mehlenbacher, J.M. Capik, and T.J. Molnar. 2020. Benefits and Drawbacks of American Hazelnut Pollenizers to Expand the Commercial Hazelnut Production Range. *HortScience* 55(9) S292. (Abstr.)

Invited presentations (2016-2020)

1. Invited presentation: Topics in Nursery Production Meeting, Feb. 25, 2016, title: *Cornus kousa* 'Rutpink' Scarlet Fire® and other plants coming from the Rutgers Woody Ornamental breeding program.
2. Invited presentation. Hazelnuts: Developing an Old Crop for a New Region. University of Guelph Seminar Series. Department of Plant Agriculture, University of Guelph, ON, Canada. Feb. 17, 2016.
3. Invited presentation: Developing resistance to Eastern Filbert Blight in Hazelnuts. 2016 Ontario Fruit & Vegetable Convention. Niagara Falls, Ontario, Canada. Feb. 18, 2016.
4. Invited presentation: Ornamental hazelnuts: developing edible landscape plants as bridge to backyard nut growing. 107th Annual Meeting of the Northern Nut Growers Association. Nebraska City, Nebraska. July 31 - August 3, 2016.
5. Invited presentation: Dogwoods! Brookdale Park Conservancy May 25, 2016
<http://www.brookdaleparkconservancy.org/blog/2016/5/18/rutgers-dogwood-talk>

6. Invited presentation: The Rutgers University Woody Ornamental and Nut Tree Breeding Program: NEW Plants and Future Directions. SEGGreen Plant Conference. Athens Georgia Aug. 31-Sept 1, 2-16. <http://www.segreen.org/plant-conference.html>
7. Invited presentation: Southern IPPS Virginia Beach, invited presentation. Going nuts while continuing a 40-year old woody ornamental breeding program: an update on *Cornus* and *Corylus* breeding. Oct. 24, 2016.
8. Invited presentation: Hazelnuts: developing an old crop for a new region. New Jersey Master Gardener Annual conference October 1, 2016, Cook Campus, New Brunswick, NJ
9. Invited presentation: Hunterdon county master gardeners. Nov 9, 2016. Hazelnuts: Developing an Old Crop for a New Region.
10. Invited presentation: Essex County master gardener meeting. title: Rutgers Hybrid Dogwood Breeding Program: it's past, present, and future. March 11, 2017.
11. Invited presentation: Union County Master Tree Stewards meeting: title: Hazelnuts: Developing an Old Crop for a New Region. April 5, 2017.
12. Invited presentation: Rare Find Nursery invited lecture series presentation, titled: The Rutgers University Woody Ornamentals Breeding Program: Introducing Scarlet Fire® dogwood. May 20, 2017
13. Invited presentation: Essex County Master gardener meeting, title: Hazelnut: a new industry for New Jersey and Beyond. Nov. 11, 2017
14. Invited presentation: 2017 Green Expo turf & landscape. New dogwood and ornamental hazelnut varieties for the landscape. Borgata Hotel, Atlantic City, New Jersey, December 6, 2017.
15. Invited presentation & consulting: Mountain Hazelnut Venture, Bhutan. Overview and summary of February Bhutan Farm Tour. Feb 12-23, 2018
16. Invited presentation: Central Jersey Turf and Ornamental Institute. Invited presentation. New Rutgers Ornamental Plants and Nut trees for New Jersey Landscapes. March 1, 2018. Battleground Country Club Manalapan, NJ.
17. Invited presentation: Princeton Agricultural Association Meeting. March 22, 2018. Hazelnuts: a new industry for NJ and Beyond.
18. Invited presentation: Rutgers Undergraduate Food Science Club Hazelnuts: a new industry for NJ. April 2, 2018
19. Invited seminar/workshop: NOFA New Jersey, tree grafting class April 20, 2018. Firefly Farm, Princeton, NJ.
20. Invited presentation: Hazelnut breeding and new cultivars. Hazelnut Master class. Catholic University of the Sacred Heart, Piacenza, Italy. May 14-14, 2018
21. Invited presentation. The Rutgers Woody Ornamentals Breeding program: exciting progress in *Cornus* and *Corylus*. The 2018 Woody Plants Conference. Swarthmore Scott Arboretum. July 20, 2018.
22. Invited presentation: Eastern filbert blight: a complicated nemesis. Northern Nut Growers Association annual meeting, Le Boulchelon resort Saint-Paulin, Québec, Canada. August 5-8, 2018.
23. Invited Presentation: Update on Rutgers hazelnut breeding program and timeline for release. Northern Nut Growers Association annual meeting, Le Boulchelon resort Saint-Paulin, Québec, Canada. August 5-8, 2018
24. Invited Presentation: Hazelnuts! Brookdale Park Conservancy meeting. Sept. 18, 2018.

25. Invited Presentation: Breeding Powdery Mildew Resistant Dogwoods and More at Rutgers University. Southern Region International Plant Propagators Society. Oct 21-24, 2018, Chattanooga, TN.
26. Invited Presentation: Going nuts continuing a 40-year-old ornamental breeding program. New York Hortus Club November meeting. Nov. 20, 2018.
27. Invited Presentation: Nuts for New Jersey. NOFA New Jersey Annual conference. January 27, 2019. https://nofanj.org/workshop?w_id=114
28. Invited presentation: *Corylus americana*: An Incredible Edible Native Plant and the Key to Expanding Commercial Hazelnut Production in Colder Regions. Native plants in the landscape conference. Millersville Native Plants Conference. www.millersvillennativeplants.org. June 6, 2019
29. Hosted regional farmer tour of Hazelnut program and research plots. September 18, 2019. 42 guests representing 22 farms. 4-hour tours and presentation: Building on breeding advances to create new opportunities for farmers and beyond.
30. Invited presentation: Hazelnuts in the Northeast: Overview and Update (part of workshop “Growing Edible Tree Nuts in the Northeast”. 8th Annual Lehigh Valley Watershed Conference: Navigating Clean Water Science. October 15, 2019. Lehigh University, Bethlehem, PA.
31. Invited presentation: Exciting progress breeding *Cornus* and *Corylus* at Rutgers University. 2019 Tree Symposium at the Frelinghuysen Arboretum. November 9, 2019.
32. Invited presentation: Hazelnuts! A new crop for the northeast. Stone Barns Center for Food and Agriculture presentation to Staff. Also presentation on hazelnut at Blue Hill restaurant Chef’s meeting. November 11, 2109.
33. Invited presentation: Rutgers University Tree Breeding Program: Here Come the Hazelnuts (for Nuts) and Next Steps after Scarlet Fire Dogwood. Southern Nursery Association Plants Conference. January 7, 2020. Baltimore, MD
34. Invited presentation: Rhododendron Society of the United States Princeton Chapter. Rutgers University Tree Breeding Program: hazelnuts and dogwoods. Feb. 16, 2020. Rutgers University.
35. Invited presentation: A demonstration of grafting techniques for tree propagation. 2020 Tree Symposium hosted by The Friends of The Frelinghuysen Arboretum. November 24, 2020.
36. Invited Seminar (virtual). Exploring Hazelnuts. 2020 Perennial Farm Gathering hosted by Savanna Institute. [https://www.savannainstitute.org/2020-pfg-html/Invite Perennial Farmer Gathering SI update Dec 7, 2020](https://www.savannainstitute.org/2020-pfg-html/Invite%20Perennial%20Farmer%20Gathering%20SI%20update%20Dec%207,%202020).

Plant Patents and Plant Variety Protection Certificates:

1. Molnar, T.J., S.A. Mehlenbacher, and J.M. Capik. ‘Raritan’ hazelnut. United States Plant Patent Application USPP32460P2 Nov. 17, 2020.
2. Molnar, T.J., S.A. Mehlenbacher, and J.M. Capik. ‘Monmouth’ hazelnut. United States Plant Patent Application USPP32462P2 Nov. 17, 2020.
3. Molnar, T.J., S.A. Mehlenbacher, and J.M. Capik. ‘Somerset’ hazelnut. United States Plant Patent Application USPP32494P2 Nov. 24, 2020.
4. Molnar, T.J., S.A. Mehlenbacher, and J.M. Capik. ‘Hunterdon’ hazelnut. United States Plant Patent Application USPP32461P2 Nov. 17, 2020.
5. Orton, E.R. and T.J. Molnar. Ilex x designated ‘CR195-115’ United States Plant Patent Application USPP30129 P3 February 17, 2017. Trademark name Emerald Lady™ holly

6. Molnar, T.J. and J. Capik. 2015. *Cornus kousa* tree designated 'Rutpink' United States Plant Patent Application USPP28311P3 Aug 22, 2017. Registered trademark name Scarlet Fire® dogwood (October 25, 2016 registration no. 5069732).
7. Hignight, K., T. Molnar, and W.A. Meyer. 2013. United States Plant Variety Protection Application no. 200800180. 'Concerto' Kentucky bluegrass. Issued Feb. 20, 2013.
8. Meyer, W.A., T. Molnar, C.R. Funk, and R.F. Bara. 2010. United States Plant Variety Protection Certificate no. 200600115. 'Bonaire' Kentucky bluegrass. Issued Feb. 10, 2010.
9. Meyer, W.A., C.R. Funk, B.B. Clarke, and T.J. Molnar. 2009. United States Plant Variety Protection Certificate no. 200400132. 'Mercury' Kentucky bluegrass. Issued Feb. 17, 2009.
10. Meyer, W.A., C.R. Funk, T. Molnar, E. Szerszen, and S.A. Bonos. 2009. United States Plant Variety Protection Certificate no. 200700257. 'Bravado' tall fescue. Issued Jan. 22, 2009.
11. Meyer, W.A., T.A. Ford, G. Zhang, and T. Molnar. 2008. United States Plant Variety Protection Certificate no. 200300157. 'Sonoma' Kentucky bluegrass. Issued Aug. 20, 2008.
12. Nelson, E., C. R. Funk, T. Molnar. S.A. Bonos and W.A. Meyer. 2008. United States Plant Variety Protection Certificate no. 200600292. 'Wendy Jean' strong creeping red fescue. Issued Nov. 4, 2008.
13. Johnson, S., S. A. Bonos. T. J. Molnar, W. A. Meyer, and C. R. Funk. 2005. United States Plant Variety Protection Certificate no. 200200218. 'Gator 3' perennial ryegrass. Issued June 15, 2005.
14. Bonos, S. A., T. J. Molnar, W. A. Meyer, and C. R. Funk. 2004. United States Plant Variety Protection Certificate no. 9800135. 'Jefferson' Kentucky bluegrass. Issued Oct. 07, 2004.

Hatch and Multi-state projects

1. Hatch Project NJ12138. Title: Genetic Improvement of Woody Plants (Trees and Shrubs) for Ornamental Uses and Food Production. PI: Thomas Molnar. CoPIs: Brad Hillman and Josh Honig. Initiated 10/01/2004, new project start date: 6/15/16- current.

Websites

1. Rutgers Faculty page: <https://plantbiology.rutgers.edu/faculty/molnar/Thomas-Molnar.html>
2. Rutgers Ag Products Website: hazelnuts: <http://agproducts.rutgers.edu/hazelnuts/>
http://agproducts.rutgers.edu/dogwood/scarlet_fire.html
3. Hybrid Hazelnut Consortium: <https://www.arborday.org/programs/hazelnuts/consortium/>

Grants

1. Sponsor: National Institute of Food and Agriculture Specialty Crops Research Initiative, Grant Number 2016-51181-25412. Title: Genomic tools, genetic resources, and outreach to expand commercial U.S. hazelnut production. Sponsor: Amount \$3.1 million (Rutgers portion \$1,081,365). Time period. 2016 to 2021.
2. Sponsor: USDA-NIFA Agriculture and Food Research Initiative Competitive Grant 2014-67013-22421 - \$500,000 September 2014 to August 2016. Securing and Expanding The U.S. Hazelnut Industry Through Breeding For Resistance To Eastern Filbert Blight. Award shared with Oregon State University (S. Mehlenbacher). <http://portal.nifa.usda.gov/web/crisprojectpages/1004471->

[securing-and-expanding-the-us-hazelnut-industry-through-breeding-for-resistance-to-eastern-filbert-blight.html](https://www.nj.gov/agriculture/industry/sectors/hazelnut/industry/industry-securing-and-expanding-the-us-hazelnut-industry-through-breeding-for-resistance-to-eastern-filbert-blight.html)

3. Sponsor: Northeast SARE graduate student grant. Title: Optimization of adventitious rooting of hazelnut stem cuttings to expedite on-farm commercialization trials. Grant period: August 2013 to August 2015. Graduate Student Megan Muehlbauer under direction of faculty advisor T. Molnar. Amount awarded: \$8,376.
4. Sponsor: Northern Nut Growers Association Research Grant. Title: Eastern filbert blight resistant hazelnut selections from Russia and Crimea: investigating inheritance of resistance. Grant period: September 2013 to September 2014. Graduate Student Megan Muehlbauer under direction of faculty advisor T. Molnar. Amount awarded: \$3,732.48.
5. Sponsor: USDA. Title: Boxwood Blight Cooperative Agreement: Rutgers University and the National Arboretum. Grant period: October 2013-September 2018. T. Molnar, lead investigator at Rutgers University. Amount awarded. \$278,261(update)
6. Sponsor: Center for Turfgrass Science (NJAES). Title: Genetic Improvement of Turfgrasses and Other Underutilized Perennial Plants for Soil Improvement, Environmental Enhancement, Improved Nutrition, and Bioenergy. Grant period: January 2015-December 2020. Amount awarded \$5,000 (cumulative 2008-2020 \$425,000).
7. Sponsor: USDA, Specialty Crops Research Initiative. Title: Expansion of hazelnut production and feedstock potential through breeding for disease resistance and climatic adaptation. Grant period: September 2009–August 2012. Thomas Molnar is co-investigator on this multi-institutional project (Rutgers, Oregon State University, University of Nebraska, Lincoln, the Arbor Day Foundation). Shawn Mehlenbacher of Oregon State University is Principal Investigator. T. Molnar, lead investigator at Rutgers University. Amount awarded: \$1.39 million total—\$360,000 Rutgers portion.
8. Sponsor: Northeast Sun Grant Initiative Competitive Grants Program—Department of Transportation. Title: Developing the potential of hazelnuts as a feedstock for biodiesel and other oleochemicals in the northeast. Grant period: August 2007–December 2009. T. Molnar, lead investigator. Amount awarded: \$58,000.
9. Sponsor: Northern Nut Growers Association Research Grant. Title: Eastern Filbert Blight Resistant Hazelnut Selections from Russia and Crimea: Investigating Inheritance of Resistance. Grant period: September 2007–September 2009. Amount awarded: \$5,000.
10. Sponsor: Northeast SARE partnership grant. Title: A New sustainable Crop for the Northeastern United States. Grant period: April 2009–December 2011. Amount awarded: \$10,000.

11. Sponsor: NSF IGERT. Title: Research in Renewable and Sustainable Fuel Solutions for the 21st Century. Grant period: September 1, 2009–August 31, 2014. PI: Eric Lam. Amount awarded: \$3,197,329. Thomas Molnar is a participating faculty member on this project. Megan Muehlbauer, T. Molnar Ph.D. student, received a 4 year IGERT fellowship (full tuition and stipend) to study hazelnut as a biofuel crop.
12. Sponsor: USAID EHELD. Title: Excellence in Higher Education for Liberian Development. Grant period: March 3, 2011—January 30, 2016. Amount awarded: s \$2,254,539. PI: James Simon. Thomas Molnar is participating faculty member on this project.

Outreach

1. **The National Arbor Day Foundation.** Major cooperater in national hazelnut development consortium “Hybrid Hazelnut Consortium” initiated in January 2008, which includes Rutgers University, the National Arbor Day Foundation, Oregon State University, and the University of Nebraska, Lincoln. <http://www.arborday.org/programs/hazelnuts/consortium/>
2. **Northern Nut Growers Association.** Secretary and Chief Operations Officer of the Northern Nut Growers Association from 2007-2018, a not-for-profit organization that focuses on educating the public and providing information and funding to researchers studying northern nut trees and their culture. www.nutgrowing.org
3. **USDA National Plant Germplasm System Chestnut, Hazelnut, & Pistachio Crop Germplasm Committee.** Member of the nut germplasm committee. Meeting Chair starting in 2019
4. **Rutgers-related:** contributor to Rutgers Day (previously Ag Field Day) **since 2004** with the annual R.U. Nutty booth; three years hosting a hazelnut table at the Snyder Farm Tomato tasting event, and many other individual and NJAES organized “farmer” tours of research plots at Hort Farm 1 and 3 in New Brunswick and Cream Ridge, NJ each year.
5. **Southern Plant Conference** - co-chair of Southern Nurseryman Association Plant Conference since 2017.
6. **Mountain Hazelnut Venture** - consultant and technical advisor for hazelnut selective breeding program in Bhutan. Trips include 2012, 2017, 2018 and 2019.

Publicity/Press

1. Hazelnuts in New Jersey. Horticultural News. Fall 2006. Volume 86(4):12.
2. Nuts to you. Rutgers research seeks to bring hazelnuts to Jersey gardens—and Jersey plates. Garden Plate magazine. By Laura Sayre. September 2007.
3. Cracking the Mystery of the Hazelnut. Newark Star Ledger (Sunday Front Page). By Kitta McPherson. January 6, 2008

4. The Search for a Commercial Hazelnut. Growing Magazine (north feature article). By Don Dale. November 1, 2008. <http://www.growingmagazine.com/fruits/the-search-for-a-commercial-hazlenut/>
5. NY Nut Growers to Participate in Hazelnut trials. The Empire Nut Grower, the Newsletter of the New York Nut Growers Assoc. Summer 2009.
6. Research on hazelnuts might reap big rewards. Omaha World Herald. By Kevin Cole. May 26, 2009.
7. Hazelnut test plot planted at Horning Farm. The Plattsmouth Journal. By Patti Jo Peterson. May 27 2009.
8. Not-so-nutty idea. Simcoe Reformer (Canada). By Daniel Peirce. April 1, 2010.
9. Resilient hazelnut trees, owners. The Tillsonburg News. By Jeff Tribe. April 8, 2010.
10. Hazelnuts may offer alternative crop pick. The New Jersey Farmer. By Sean Clougherty. June 1, 2010. <http://archive.americanfarm.com/njtopstory6.01.2010a.html>
11. New funding for hazelnut project could help expand growing areas. Foodnews 38(31):18. By Emma Slawinski. July 30, 2010.
12. Hybrid hazelnuts may guarantee supply to Italian chocolate giant. FOODNEWS 38(35). By Emma Slawinski. August 27, 2010.
13. Hazelnut breeders tackle disease issues, cold tolerance. Ontario Farmer. By Glenn Powell. March 20, 2013.
14. A new look at an old nut. Edible Jersey. Summer 2013. By Fran McManus. <http://ediblejersey.com/editorial/summer-2013/a-new-look-at-an-old-nut/>
15. Growers find success with hazelnuts. Ithaca.com. by Glynis Hart. July 24, 2013. http://www.ithaca.com/news/growers-find-success-with-hazelnuts/article_15314bdc-f46d-11e2-8883-001a4bcf887a.html
16. Seed Research: Hazelnuts Revived. Growing Magazine. www.growingmagazine.com. By Rebekah L. Fraser. June, 2013. <https://www.growingmagazine.com/equipment-products/planting/hazelnut-revived/>
17. Seed research: sweet potential. Rutgers research creates opportunity for hazelnut growers. Growing Magazine. www.growingmagazine.com. By Rebekah L. Fraser. July, 2013.
18. Edible nuts. Part of a sustainable northeast farming system. Growing Magazine. www.growingmagazine.com. By Helen Margaret Griffiths. August 2013. <http://www.growingmagazine.com/fruits/edible-nuts/>
19. The Great American Hazelnut Hunt. Modern Farmer. By Marsha Johnston on April 22, 2014 <http://modernfarmer.com/2014/04/great-american-hazelnut-hunt/>
20. NPR, Dan Charles, September 16, 2014. Thanks to Nutella, the World Needs more hazelnuts <http://www.npr.org/sections/thesalt/2014/09/16/347749070/thanks-to-nutella-the-world-needs-more-hazelnuts>
21. Hazelnut Horror, Sneaking Dylan Into Science. Chemical and Engineering News. Volume 92 Issue 42 | p. 48 | Newsprints Issue Date: October 20, 2014. <http://cen.acs.org/articles/92/i42/Hazelnut-Horror-Sneaking-Dylan-Science.html>
22. Unshelling the Potential of Hazelnut. Explorations. George H. Cook Campus Magazine. Spring 2015 Pg. 9. <http://discovery.rutgers.edu/pubs/explorations-spring-2015.pdf>
23. Rutgers' Plant Breeders: Fighting Hunger and Disease, Bringing Back Jersey Tomato. By Tara Nurin. NJ Spotlight. September 16, 2015 <http://www.njspotlight.com/stories/15/09/16/rutgers->

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24. Rutgers 250: NJAES All-Star Variety of the Month – Hazelnut. October 2016. <https://sebsnjaesnews.rutgers.edu/2016/10/rutgers-250-njaes-all-star-variety-of-the-month-hazelnut/>
25. Rutgers releases new pink dogwood. American Nurseryman. March 22, 2017. <https://www.amerinursery.com/plants/rutgers-releases-new-pink-dogwood/>
26. This tree is on fire: meet Rutgers' newest plant. NJ.com. January 25, 2017. Kathleen O'Brien. http://www.nj.com/news/index.ssf/2017/01/ladies_and_gentlemen_meet_the_newest_rutgers_speci.html
27. Rutgers' New Pink Dogwood Adds Breakthrough Color to the Landscape. Andrea Alexander. Feb. 3, 2017. Rutgers Today <http://news.rutgers.edu/news/rutgers%E2%80%99-new-pink-dogwood-adds-breakthrough-color-landscape/20170125#.WZ9m2-kpCM9>
28. Making pizza in Jersey City: hazelnuts top pizza at Razza. Christine Sloan March 24, 2017. <http://www.fios1news.com/newjersey/restaurant-hunter-jersey-city-razza-pizza#.Wis1kjD0mM8>
29. Rutgers researchers unleash "Scarlet Fire" dogwood. James M. O'Neill. June 9, 2017. Asbury Park Press. <http://www.northjersey.com/story/news/2017/06/09/rutgers-researchers-unleash-scarlet-fire-dogwood/349134001/>
30. Preserving a mission. Susan Martin. October 5, 2017. Nursery Management. Cover story <http://www.nurserymag.com/article/preserving-a-vision/>
31. <https://www.tapinto.net/towns/nutley/categories/news/articles/rutgers-biologist-developing-revolutionary-method-4>
32. <http://nj1015.com/rutgers-research-could-save-us-all-from-a-nutella-shortage/>
33. <http://www.mycentraljersey.com/story/news/local/how-we-live/2017/11/07/nutella-could-soon-made-hazelnuts-developed-rutgers/824914001/>
34. Brief mention of hazelnuts in NJ - <https://beta.theglobeandmail.com/amp/report-on-business/international-business/nutella-maker-ferrero-seeks-to-crack-turkish-grip-on-hazelnuts/article36811700/>
35. http://www.nj.com/education/2017/10/rutgers_researcher_bringing_new_crop_to_nj_and_joy.html
36. http://www.pressofatlanticcity.com/business/rutgers-develops-blight-resistant-hazelnut-tree-that-can-grow-in/article_18519d01-5457-5761-ad18-56ea7f889d82.html
37. <http://money.cnn.com/2017/11/08/news/nutella-changes-recipe/index.html> November 9, 2017. By Alanna Petroff. Story about Nutella changing recipe; provided quote on the issues with a tight supply of hazelnuts
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39. A hard nut to crack: breeding the next generation of disease-resistant hazelnuts. Rutgers Daily Targum. Claire Jarvis. November 19, 2017. <http://www.dailytargum.com/article/2017/11/a-hard-nut-to-crack-breeding-the-next-generation-of-disease-resistant-hazelnuts>

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<http://arbordayfoundation.cmail20.com/t/ViewEmail/y/B1FC70458B6EBB18/90CCB9B3DA8829B705263A35EB2CBB57>
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44. Rutgers Magazine. Hazelnut Job. Pg. 42 Winter 2018
<https://magazine.rutgers.edu/insights/hazelnut-job>
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47. <https://nowthisnews.com/videos/food/this-scientist-is-making-sure-we-never-run-out-of-nutella>
48. Hazelnuts: New Jersey plant breeding program aims to benefit farmers, consumers. March 18, 2018 Moly Daly CBSlocal Philadelphia KWY NEwsradio 1060
<http://philadelphia.cbslocal.com/2018/03/18/hazelnut-plant-breeding-program/>
49. <https://www.dropbox.com/s/uzvn1ew9esie8wg/Interview%20BNR%20Nieuwsradio.mp3?dl=0>
<https://www.bnr.nl/podcast/eyeopeners/10341585/superfilter-en-ontzwavelen>
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http://www.nj.com/inside-jersey/index.ssf/2018/04/garden_state_who_let_the_dogwoods_out.html
51. <http://www.capitalpress.com/SpecialSections/Orchard/20180412/industry-leader-sees-bright-future-for-hazelnuts>
52. <https://www.northjersey.com/story/news/new-jersey/2018/09/11/hazelnuts-could-new-crop-nj-farmers/1197634002/> Hazelnuts could never grow in New Jersey--until now. Catherine Carrera Sept. 11, 2018. North Jersey Record, also printed in the Home New Tribune Monday Sept 24 2018 front page, and Asbury Park Press around the same time.
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<https://www.youtube.com/watch?v=ICBQTDC7M0M>
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