# "HENRY" YUANSHUO QU

I am a perpetual, quick learner and keen to explore the realm of plant genetics and data science. I am deeply excited about the times we live in and the rate at which data is being generated, analyzed and transformed. I am well versed with a few tools for dealing with data in crop genetics and agronomy, and looking forward to put what I have learned into modern agricultural practices.

## 🎓 EDUCATION

**2014–present**

**Rutgers University**
PhD in Plant Breeding and Genetics, GPA: 3.8  📍 New Brunswick, NJ

Dissertation: Evaluation and Genetic Analysis of Tall Fescue(*Schedonorus arundinaceus*) for Drought Tolerance under Bayesian Framework.

**2015–2017**

**Rutgers University**
M.S. in Statistics, GPA: 3.9  📍 Piscataway, NJ

**2011–2013**

**Rutgers Univeristy**
B.A. in Plant Science, GPA: 3.8  📍 New Brunswick, NJ

**2011–2013**

**Shanghai Jiao Tong Univeristy**
B.E. in Food Science and Engineering, GPA: 3.3  📍 Shanghai, CN

## 🧪 RESEARCH EXPERIENCE

**2014–2019**

**Graduate Research Assistant**
Rutgers University  📍 New Brunswick, NJ
• Designed and carried out multiple field trials for evaluation of turfgrass speices and cultivars
• Developed Bayesian approaches to analyzing plant population datasets
• Provided statistics consulting to other graduate students and researchers.

**2011–2013**

**Undergraduate Research Assistant**
Rutgers University  📍 New Brunswick, NJ
• Assisted professors and graduate students with field experiments
• Equipment operations and daily care of field studies

## 🖥 SELECTED TEACHING EXPERIENCE

**2017–2019**

**Turfgrass ID and Development**
Rutgers Professional Golf Turf Management School
📍 New Brunswick, NJ
• Designed course curriculum, lesson plans, and assessment tools for diverse groups of students.
• Chaperoned field trips to encourage hands-on learning.

PhD student specializing in Bayesian data analysis, population genetics and teaching. On the market for agricultural data science positions.

## CONTACT INFO

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linkedin.com/in/henryyqu

📞 +1 732-482-1243

## SKILLS

Expert in R and R Studio.

Experienced in Bayesian data analysis with JAGS and BUGS.

Expert in communicating to scientific and general public.

Some SAS, Python and SQL

Agronomy

Github

## 💬 SELECTED PRESENTATIONS

**Nov 2018** — **Application of Bayesian Statistics to Genotype Evaluation and Phenotypic Selection**
PowerPoint presentation at 2018 ASA and CSSA Meeting

📍 Baltimore, MD

**HY Qu**, EJ Green, SA Bonos, WA Meyer

**Feb 2017** — **Turf Industry in the United States**
Invited presentation on agricultural technology achievements transformation ana application

📍 Newark, NJ

**HY Qu**

**Dec 2015** — **Introduction to Cool-Season Turfgrass Breeding in the United States**
Invited presentation at the GCSAA of China Conference 📍 Hainan, CN
**HY Qu**

## 📄 SELECTED PUBLICATIONS

**2019** — **Phytotoxicity of Methiozolin on Fine Fescue**
HortTechnology. 29(3), 265-270. doi:10.21273/HORTTECH04278-19
**HY Qu**, RM Daddio, PE McCullough, SA Bonos, WA Meyer.

**2018** — **Heritability of Simulated Wear and Traffic Tolerance in Three Fine Fescue Species**
HortScience. 53(4), 416-420. doi:/10.21273/HORTSCI12450-17
AL Grimshaw, **HY Qu**, WA Meyer, E Watkins, SA Bonos.

**2016** — **Performance of Perennial Ryegrass Cultivars and Selections in New Jersey Turf Trials**
2016 Rutgers Turfgrass Proceedings of the GREEN EXPO Turf and Landscape Conference. 101–104.
**HY Qu**, R Bara, D Smith, SA Bonos, WA Meyer

**2015** — **Performance of Perennial Ryegrass Cultivars and Selections in New Jersey Turf Trials**
2015 Rutgers Turfgrass Proceedings of the GREEN EXPO Turf and Landscape Conference. 125–128.
**HY Qu**, R Bara, D Smith, SA Bonos, WA Meyer

**2014** — **Performance of Perennial Ryegrass Cultivars and Selections in New Jersey Turf Trials**
2014 Rutgers Turfgrass Proceedings of the GREEN EXPO Turf and Landscape Conference. 131–134.
**HY Qu**, R Bara, D Smith, SA Bonos, WA Meyer

## 📄 SELECTED AWARDS

**2018**   ● **Watson Fellowship**
The Toro Company and the Environmental Institute for Golf (EIFG) of
Golf Course Superintendents Association of America(GCSAA).

**2017**   ● **Ralph Geiger Scholarship**
The Center for Turfgrass Science, Rutgers University

**2016**   ● **Weston Memorial Scholarship**
The Center for Turfgrass Science, Rutgers University

**2015**   ● **Peter Loft Memorial Scholarship**
The Center for Turfgrass Science, Rutgers University

**2014**   ● **NJ State Golf Association& Ralph Engel Caddie Scholarship**
New Jersey State Golf Association

**2013**   ● **Plant Science Excellence Award**
Department of Plant Biology and Pathology, Rutgers University

**2011**   ● **Academic Excellence Scholarship**
Department of Agricultural and Biology, Shanghai Jiao Tong
University