



TAGEM
R&D AND INNOVATION

GAP INTERNATIONAL AGRICULTUREL RESEARCH
AND TRAINING CENTRE / DIYARBAKIR

Yusuf Güzel DEMİRAY

Agricultural Engineer

EDUCATION

- **Assoc. prof**
- **PhD** 2018-Continue Dicle University
Institute Of Science
- **MSc** 2011-2013 Bingöl University
Institute Of Science
- **Bachelor's Degree** 2004-2008 Dicle University
Faculty of Agriculture
- **LANGUAGE** English YOKDIL 55

CAREER

- 2009-2012 Agricultural Engineer, Genç District Agriculture and Forestry Directorate/Bingöl
- 2012-2013 Manager Assist., Genç District Agriculture and Forestry Directorate/Bingöl
- 2013- Agricultural Engineer, Çınar District Agriculture and Forestry Directorate/ Diyarbakır
- 2015-∞ Researcher, Cotton Unit Manager GAP International Agricultural Research and Training Center

ABOUT ME

I was born in 1983 in Diyarbakır. In 2008, he graduated from Dicle University, Faculty of Agriculture, Department of Field Crops. He started his vocational training in Bingöl Province, Genç District Agriculture and Forestry Directorate in 2009.

He has taken part in various Cotton Breeding projects as a project leader or assistant researcher and has contributed to the registration of 15 cotton varieties from these projects so far.

CONTACT

📍 Silvan road 7. Km Sur /DIYARBAKIR
21110 TURKEY

📧 yusufguzel.demiray@tarimorman.gov.tr

☎ 0412 326 13 20



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▪ **PROJECTS**

▪ **Projects Conducted**

1. Development of Cotton Varieties Suitable for GAP Region with Double Hybrid Method, Project Coordinator (2015-2019).
2. Southeastern Anatolia Region Cotton Breeding Studies High Temperature Stress Tolerant Cotton Breeding, Assistant Researcher, (2015-2019).
3. Interbreeding Breeding and Variety Development and Adaptation Studies in Cotton (TAGEM-AYER Seeds) Assistant Researcher, (2016-2020).

▪ **Ongoing Projects**

1. Determination of DNA Markers Associated with High Temperature Stress Tolerance/Resilience in Cotton (*G. hirsutum* L.) by Association Mapping Method (PhD), Project Coordinator 2020-Continuing)
2. Southeast Anatolia Cotton Breeding Studies, Project Coordinator 2022-Continuing)
3. The Effect of Plant Density and Sowing Time on Yield, Fiber Quality Criteria and Some Physiological Parameters in Cotton, Assistant Researcher (2017- Continuing).
4. Investigation of Changes in Seed Properties of Cotton Seeds Coated with Boron Compound BAB Project, Muş Alparslan University, Assistant Researcher (2021- Continuing)
5. Investigation of the Effects of Sugar Beet Seeds Covered with Mycorrhiza Fungus and Boron Compound on Yield and Quality Parameters of Changes in Seed Properties and Field Conditions BAB Project, Muş Alparslan University, Assistant Researcher (2021- Continuing)



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Ekinci, R., Başbağ, S., Demiray, Y.G., Yaşar, M., Kayır, F., 2018. The Use of Heterotic Effects for the Improvement of Some Fiber Technological Properties of New Cotton Varieties in Diyarbakir Conditions, International Journal of Scientific and Technological Research, ISSN 2422-8702, 4, No 10

■ **International Papers, Seminars, etc.**

1. Ekinci R., Başbağ S., Demiray YG, Investigation of the Possible Effects of Agricultural Basins Production and Support Model on Cotton Production in Diyarbakir, International Diyarbakir Symposium, 2-5 November 2016, Proceedings Book, Volume III, Page: 2145-2151, (Full Text paper/Oral presentation) ISBN: 978-605-149-907-9
2. Demiray YG, Ekinci R., Bardak A., Cotton Breeding Studies for the Development of Colored Cotton in Diyarbakir Ecological Conditions, International Diyarbakir Symposium, 2-5 November 2016, Proceedings Book, Volume III, Page: 2183-2188, (Full Text Paper /Oral presentation) ISBN: 978-605-149-907-9
3. Ekinci, R., Başbağ, S., Demiray, YG, Baykara, F., 2018. Investigation of Leaf Content and Morphological Characteristics in Some Cotton (G.hirsutum L.) Genotypes, International Congress on Agriculture and Animal Sciences 1-9 November, 2018, Alanya/Turkey
4. Demiray, YG, Ekinci, R., Yaşar, M., 2019, Characterization of F6 Progeny Cotton Genotypes Developed by Double Hybrid Method, Muş Plain International Agriculture Congress 24-27 October 2019, Proceedings Book, Pages: 89-94, (Full Text paper/Oral presentation), ISBN: 9786055137069
5. Demiray, YG, Ekinci, R., Yaşar, M., 2019, Evaluation Of Yield And Yield Components Traits Of Promising Cotton (G. Hirsutum L.) Lines In Diyarbakir Ecological Conditions, Muş Plain International Agriculture Congress 24-27 October 2019, Book of Proceedings, Pages: 171-176, (Full Text paper/Oral presentation), ISBN:97860551137069
6. Demiray, YG, Ekinci, R., Yaşar, M., 2020, Evaluation of F6 Progeny Cotton Lines (G. Hirsutum L.) in Terms of Fiber Quality Characteristics, Mardin Artuklu Scientific Research Congress 18-19 January 2020, Abstract Book, Page: 151, (Full Paper/Oral Presentation), ISBN:978-625-7954-30-3

■ **NATIONAL ARTICLES AND PAPERS**

■ **Articles Published in National Journals**

■ **National Papers, Seminars, etc.**

1. Başbağ S., Demiray Y. G., Yıldız M., Ekinci R., (2009) The Effect of Plant Growth Regulators (BGD) on Some Earliness and Yield Characteristics of Cotton, Turkey VIII. Field Crops Congress, Volume I, Pages 14-18, 19-22 October 2009, Hatay, Turkey (Poster)
2. Demiray, Y.G., Kılıç, H., 2015 Determination of Grain Corn (Zeamays L.) Varieties Suitable for Bingöl Conditions. 11. Field Crops Congress, 07-10 September 2015, Onsekiz Mart University, Çanakkale, Turkey (Poster)



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▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Development of Cotton Varieties Suitable for GAP Region by Double Hybrid Method, Final Report, Project No: TAGEM/TBAD/15/A04/P02/07
2. High Temperature Stress Tolerant Cotton Breeding, Final Report, Project No: TAGEM/TBAD/15/A04/P02/06
3. Crossbreeding Breeding and Variety Development and Adaptation Studies in Cotton, Final Report, Project No: TAGEM/TA/09/05/02/002
4. Determination of Grain Corn Varieties Suitable for the Ecological Conditions of Bingöl Province, Dicle University, Institute of Science, Master Thesis



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▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

1. Ministry of Food, Agriculture and Livestock, General Directorate of Crop Production, Mera Summer School Training Certificate (2012)
2. Ministry of Food, Agriculture and Livestock General Directorate of Crop Production Prevention of Stubble Burning Training Certificate (2012)
3. Ministry of Agriculture and Rural Affairs, General Directorate of Organization and Support Organic Agriculture Training Certificate (2011)
4. Ministry of Agriculture and Rural Affairs General Directorate of Protection and Control Food Inspector Course Success Certificate (2010)
5. Ministry of Agriculture and Rural Affairs Agricultural Production and Development Directorate Good Agricultural Practices Training Certificate (2010)
6. Computer Profession Education Programs Course Certificate DIRECTORATE OF NATIONAL EDUCATION - 2005 (160-hour program branch)
7. INTELLECTUAL PROJECT OF MY LIFE Collaboration between Community Volunteers Foundation and Avea Entrepreneurship Achievement Certificate 2008
8. Project Cycle Management and Funding Training
9. Basic Bioinformatics, Primer Design And BLAST Theoretical And Practical Training
10. Training on Preparation of National and International R&D Projects in Strategic Food, Agriculture and Livestock Products
11. Statistical Software Programming (SPSS) Training
12. Occupational Health and Safety Training (1 Day)
13. Good Cotton Practices Training (1 Day)
14. Project Cycle Management

Other Activities

GENÇ district governorship achievement certificate, 2012