



TAGEM
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL
RESEARCH INSTITUTE/ ESKİŞEHİR

Ramis DAYIOĞLU

Agricultural Engineer

EDUCATION

Bachelor's Degree 1984-1989
Ankara University
Agriculture Faculty

LANGUAGE

ABOUT ME

I was born 1965 in Eskişehir. He graduated from Ankara University, Faculty of Agriculture, Department of Soil in 1989.

He has been working in the Agronomy and Physiology Department of Eskişehir Transitional Zone Agricultural Research Institute since 1996.

CAREER

1996+ Agricultural Engineer, Transitional Zone
Agricultural Research Institute - Eskişehir

1990-1996 Civil Defense Officer, Eskişehir Provincial
Civil Defense Directorate

CONTACT

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Ramis DAYIOĞLU

Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Project for Breeding Varieties Resistant to Zinc and Iron Deficiencies and Boron Toxicity in Wheat and Barley, and the Most Effective and Economical Ways of Elimination of Deficiencies-**Researcher**.
2. Determination of drought tolerance parameters on wheat, TAGEM/TA/03/03/01/006,2005. – **Researcher**
3. The Effect of Nitrogen Fertilizer Type, Dosage and Application Times Used in Spring Top Fertilization on Growth and Nitrogen Uptake in Wheat Plant (TAGEM/TA/ 03/03/ 01/005, 2005)-**Researcher**
4. Project of Investigation of Bed Planting Method in Irrigated Wheat Farming in the Transition Zone TAGEM/TA/02/03/01/09,2005 – **Researcher**
5. Determination of Relationship Between Different Nitrogen Doses, Sowing Time, Seed Rate with Quality Criteria on Bread Wheat. TAGEM/TA/02/03/01/15, 2007. – **Researcher**
6. Study of Opium Poppy Cultivation Techniques. TAGEM/TA /01/02/03/001,2007. – **Researcher**
7. Development of Alternative Applications to Stubble Burning in Irrigated Wheat Agriculture in the Transitional Zone (TAGEM/TA/02/03/01/08,2007)- **Researcher**
8. National Sunn pest (Eurygaster integriceps) Project. DPT,200K120160, 2010. – **Researcher**
9. Project for Increasing the Iron and Zinc Content of Wheat in Turkey Using Wild Wheat Gene Resources (DPT)- **Researcher**
10. Investigation of Selenium Concentration of Wheat Grown in Turkey, Reaction of Wheat to Selenium Fertilization and Determination of New Selenium-Rich Genotypes Project (TÜBİTAK 1001)- **Researcher**
11. A Research on Tillering Dynamics of Some Bread Wheat Varieties Grown in Central Anatolian Dry Conditions 2007) – **Researcher**
12. A Research on the Effects of In-Season Nitrogen Management Systems on Bread Wheat Yield and Quality in Eskisehir Conditions. TUBİTAK - KAMAG (1007), Project No: 106G111, 2011.) – **Researcher**
13. Determination of Physiological Parameters usable in Bread Wheat Breeding. TAGEM/TA/08/07/01/012, 2013.) - **Researcher**
14. Research of North West Transitional Zone Genetic Resources Project –**Researcher**
15. Medicinal Aromatic Plants Genetic Resources Project -**Researcher**



Ramis DAYIOĞLU

Agricultural Engineer



16. Ornamental Plants Genetic Resources Project – **Researcher**
 17. Monitoring the prevalence of wheat varieties Project – **Researcher**
 18. Harvest Plus Zinc Project – **Researcher**
 19. Calibration of Nitrogen Fertilization on Wheat in Eskisehir Conditions. TAGEM/TBAD/12/A12/P01/07-002, (2011-2015). – **Researcher**
 20. Project for Determining the Effect of Nitrogen at Different Doses on Carbohydrate Translocation of Some Bread Wheat Varieties (TAGEM/TBAD/12/A12/P01/07-001)- **Researcher**
 21. Effect of Deep Nitrogen Application on Grain Protein Content of Bread Wheat Project- **Researcher**
 22. HarvestPlus-Zinc Fertilizer Project- **Researcher**
 23. Determination of wheat boron nutritional status Ankara and Eskisehir regions and effect of different boron application on wheat yield and quality. National Boron Res. Inst. (20123.Ç0413) 2013-2016
 24. The Effect of Phosphorus Applied in Different Amounts on Biodiesel Yield and Quality in Safflower. TAGEM/TSKBAD/13/A13/P04/005) 2013-2016 – **Researcher**
 25. Determination of Morphological and Physiological Properties of Winter Bread Wheat Breeding Material of Transitional Zone Agricultural Research Institute. TAGEM/TBAD/15/A12/P01/004. 2014-2019 – **Researcher**
 26. Development of Wheat Genotypes with High Biscuit Quality and Screening of Local Populations for Biscuit Quality TÜBİTAK 1003 2140050 – **Researcher**
 27. Extension of Developed Chickpea Varieties and Cultivation Techniques to Transition Zone Producers (EYYDB) (2012-2017) – **Researcher**
 28. Calibration of Nitrogen Fertilization on Wheat in Eskisehir Conditions. TAGEM/TBAD/16/A12/P01/004, (2016-2021) – **Researcher**
- **Ongoing Projects**
1. Determination of Morphological and Physiological Traits in Transitional Zone Agricultural Research Institute Winter Bread Wheat Breeding Materials. TAGEM/TBAD/15/A12/P01/004. – **Researcher**
 2. Solutions for Improving Agroecosystem and Crop Efficiency for Water and Nutrient Use. (2017-2022) Horizon 2020. Leader; Prof. Dr. Ismail Cakmak (Sabancı Univ.) . – **Researcher**
 3. Harvest Plus Project Use of Zinc- and Iodine -Containing Fertilizers for Biofortification of cereals with Zinc and Iodine and Improving Grain Yield in Different Countries- IV. PHASE (Sabancı Üni. and GKTAEM) **Researcher**
 4. TÜBİTAK 1501 Industry- R&D Project No: 3190897 "Variable Ratio Mineral Fertilizer Application in Deep Chisels" Hisarlar Makine A.Ş and GKTAEM – **Researcher**
 5. Western Transitional Zone Vegetable Genetic Resources Project (2022- 2026) - **Researcher**



Ramis DAYIOĞLU

Agricultural Engineer



▪ PUBLICATIONS

▪ INTERNATIONAL ARTICLES AND PAPERS

▪ Articles Published in International Journals

1. Erdinç Savaşlı, A. Reşit Brohi, M. Rüştü Karaman, Sabri Gökmen, **Ramis Dayioğlu**, Oguz Önder. 2005. Effect Of Nitrogen Fertilizers (2) On Quality Characteristics Of Wheat Crop Revue de Cytologie et Biologie vegetales- Le Botaniste 2005-28 (s. i.): 161 8211; 169 Amiens-France,29 August- 2 September 2005
2. M. Kalayci, C. Cekic, E. Savasli, O. Onder, **R. Dayioğlu**, Y. Kaya, A. Taner, A. Yazici, I. Cakmak. 2007. The Effect of Various Cultural Practices on Zinc Concentrations of Winter Wheat Grains in Central Anatolia. Zinc Crops 2007 "Improving crop production and human health" 24-26 May 2007, Istanbul, Turkey. <http://www.zinc-crops.org/publications>
3. Savasli, Erdinc; Onder, Oguz; Cekic, Cemal; Kalayci, Hasan Mufit; Dayioğlu, Ramis; Karaduman, Yasar; Gokmen, Fatma; Dursun, Nesim; Gezgin, Sait.2020. Sensor based calibration study for in-season nitrogen management of winter wheat in Turkey. Asian Journal of Medical and Biological Research,6,2,204-211,2020
4. Yaşar Karaduman, Arzu Akın, Savaş Belen, Ali Cevat Sönmez, **Ramis Dayioğlu** Hasan Orhan Bayramoğlu "Evaluation of soft Winter Wheat for soft-hard dough biscuit Quality"

▪ International Papers, Seminars, etc.

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Çekiç, C., Savaşlı, E., Önder, O., **Dayioğlu, R.**, Gökmen, F., Dursun, N., Gezgin, S., Kalaycı, H.M. 2008. Important of in-season nitrogenous fertilizer management in the increasing of nitrogen use activity of the plants. 4th National Congress of Plant Nutrition and Fertilizer. p. 83. 8-10 October 2008 Konya
2. Çekiç, C., Savaşlı, E., **Dayioğlu, R.**, Önder, O., Karaduman, Y., Avcioglu, R. 2008. Determination of Relationship Between Different Nitrogen Doses, Sowing Time, Seed Rate with Quality Criteria on Bread Wheat. National Cereal Symp., Page: 201-209, Konya, 2-5 June 2008.
3. Savasli, Erdinc; Onder, Oguz; Cekic, Cemal; Kalayci, Hasan Müfit; Dayioğlu, Ramis; Karaduman, Yasar; Gokmen, Fatma; Dursun, Nesim; Gezgin, Sait. 2017. The Effects of Foliar Nitrogen Treatments at Heading Stage on Grain Protein Contents of Bread Wheat Cultivars. Selcuk Journal of Agriculture and Food Sciences,31,1,42-47,2017
4. Savasli, Erdinc; Onder, Oguz; Cekic, Cemal; Kalaycı, Hasan Müfit; Dayioğlu, Ramis; Gokmen, Fatma; Dursun, Nesim; Gezgin, Sait. 2017. Effects of nitrogen treatment methods on yield, nitrogen loss and nitrogen up-take efficiency of wheat cultivars. Selcuk Journal of Agriculture and Food Sciences. 31,2,86-91,2017
5. Savaşlı, E., Çekiç, C., Önder, O., Dayioğlu, R., Kalaycı, H.M. 2012. Evaluation of Some Bread Wheat Cultivars and Advanced Breeding Lines for Yield, Biomass and Vegetation Index in Eskisehir Conditions. International Journal of Agricultural and Natural Sciences, 5(2), 33-37



Ramis DAYIOĞLU

Agricultural Engineer



6. Savaşlı, Erdinc; Önder, Oğuz; Karaduman, Yaşar; Dayioğlu, Ramis; Özen, Didem; Özdemir, Suat; Akın, Arzu; Tunca, Zafer Saban; Demir, Bedrettin; Aydın, Nevzat. 2019. The Effect of Soil and Foliar Urea Application at Heading Stage on Grain Yield and Quality Traits of Bread Wheat (*Triticum aestivum* L.), Turkish Journal of Agriculture-Food Science and Technology, 7, 11, 1928-1936, 2019
7. Savaşlı, Erdinc; Önder, Oğuz; Çekiç, Cemal; Kalaycı, Hasan Müfit; Dayioğlu, Ramis; Karaduman, Yaşar; Gökmen, Fatma; DURSUN, Nesim; Gezgin, Sait. 2018. The Effects of Foliar Nitrogen Treatments at Heading Stage on Grain Protein Contents of Bread Wheat Cultivars in Irrigated Condition, Turkish Journal of Agriculture-Food Science and Technology, 6, 1, 84-90, 2018
8. Savaşlı, Erdinc; Önder, Oğuz; Dayioğlu, Ramis; Özen, Didem; Özdemir, Suat; Karaduman, Yaşar; Ateş, Özgür; Özsayın, Melih. 2020. A Calibration Study for Sensor-Based In-Season Nitrogen Management of Irrigated Winter Wheat. Turkish Journal of Agriculture-Food Science and Technology, 8, 9, 1882-1891, 2020
9. Savaşlı, E., Önder, O., Çekiç, C., Kalaycı, H.M., Dayioğlu, R., Karaduman, Y., Yılmaz, F., Dursun, N. And Gezgin, S. 2021. Calibration Optimization for Sensor-Based In-Season Nitrogen Management of Rainfed Winter Wheat in Central Anatolian Conditions. Journal of Agriculture and Nature. Kahramanmaraş Sutcu Imam University, e-ISSN: 2619-9149. 24(1), pp.130-140
10. Savaşlı, E., Önder, O., Dayioğlu, R., Özen, D., Karaduman, Y., Özdemir, S., Ateş, Ö., Özsayın M., (2021). Nitrogen Fertilizer Recommendation with Optical Sensor for Bread Wheat Varieties. Yüzüncü Yıl University. Journal of Agricultural Science. 31(2):453-465. DOI: 10.29133/yyutbd.726039.

▪ National Papers, Seminars, etc

1. SAVAŞLI, E., ÇEKİÇ, C., ÖNDER, O., DAYIOĞLU, R. 2012. Different Sowing Methods and Double Sowing Watch Studies in Irrigated Conditions, Agricultural Market Magazine S. N: 60-61, No: 41, May-June 2012

▪ OTHER PUBLICATIONS

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

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

1. Çekiç, C., Savaşlı, E., Önder, O. ve Dayioğlu, R. 2007. For sustainable agriculture bed planting method. 2.nd Protective Soil Tillage and Direct Seeding Workshop, E.Ü.Z.F. Agr Mach. Dept. n. 10 p.149-157 Izmir
2. Savaşlı, E., Çekiç, C., Önder, O., Dayioğlu, R., Karaduman, Y., Avcioglu, R., Kalaycı, H.M. 2010. Determination of relationship between nitrogen fertilization and some quality parameters on bread wheat. 1st. National congress of soil and water sources. Page : 611-618, June 1-4, 2010, Eskisehir.
3. Önder, O., Tolay, İ., Çekiç, C., Savaşlı, E., Dayioğlu, R., Kalaycı, H.M. 2011. A research on tillering dynamics of some bread wheat varieties grown in Central Anatolian dry conditions. 1st International Agriculture Congress of Ali Numan Kirac. April 27-30, 2011. Vol: 1, Page: 781-793. Eskisehir.



Ramis DAYIOĞLU
Agricultural Engineer



4. Savaşlı, E., Çekiç, C., Önder, O., Dayioğlu, R., Camcı, H., Koşar F.Ç., Balcı A., Kalaycı, H.M. 2011. The Effects of Nitrogen Fertilization on Seed and Capsule Yields and Morphine Content of Opium Poppy. 1st International Agriculture Congress of Ali Numan Kirac. April 27-30, 2011. Vol: 1, Page: 463-473. Eskisehir.
5. XVII. International Plant Nutrition Colloquium 19-22 August 2013. Istanbul
6. Tunca, Z.Ş., Karaduman, Y., Topal, A., Önder, O., Arzu, A.K.I.N., Belen, S., Dayioğlu, R. And Sönmez, A.C. 2020. Determination of Biscuit Quality Characteristics of Selected Soft Bread Wheat Genotypes in Rained and Irrigated Conditions. Journal of the Faculty of Agriculture, pp.1-7. Turkey XIII. National, I. International Field Crops Congress Special Issue:1-7, 2020. ISSN 1304-9984