

MELAK DJABALLAH

Agricultural Engineer

About me

Dedicated Agricultural Engineer with 5 years of hands-on experience in intensive farming, sustainable agriculture, and modern cultivation techniques. Skilled in crop management, irrigation systems, plant tissue culture, and integrated aquaculture systems. Passionate about innovation in agriculture.

Work experience

Agricultural Engineer

From 2020 until Now - Belgoumri Toufik Agricultural company- Algeria.

- Monitoring plant growth and development throughout the full life cycle, from dormancy through germination, vegetative and reproductive stages, to harvest.
- Applying techniques for optimizing soil conditions, irrigation, and fertilization based on the physiological needs of each growth phase.
- Implementing plant protection strategies to prevent biotic and abiotic stresses affecting crop performance.
- Conducting field assessments and collecting data to evaluate crop productivity and maximize yield potential.
- Coordinating seasonal planning and applying scientific knowledge to improve seed selection, planting schedules, and harvesting methods.
- Using precision agriculture tools to monitor plant health and ensure sustainable agricultural practices.

Internships

2022 - Private Institution for Aquaculture - Algeria.

- Soilless agriculture integrated with aquaculture, supporting system design and managing nutrient solutions.

2021 - The Public Economic Institution for Potato Production - Algeria.

- Plant tissue culture and hydroponics, preparing sterile culture media, applying cloning techniques, Agricultural applications of In vitro plants.

2021 - Cereal and Pulse Cooperative- Algeria.

- Assisting in grain storage monitoring, quality control, and logistics during cereal collection.

From February 2020 to July 2020 - Directorate of Agricultural Services - Algeria.

- Contributing to field visits, technical data collection, and farmer support programs.

Education

Master's degree in Agricultural Engineering: Plant Breeding

From December 2020 to July 2022 - Al Bachir Al Ibrahimi University - Algeria.

Bachelor's degree in Agricultural Engineering: Plant Production

From September 2017 to November 2020 - Al Bachir Al Ibrahimi University - Algeria.

Scientific High School Degree – July 2017 - Algeria.

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Bordj Bou Arreridj, Algeria

Skills

Excellent communication skills.

Agricultural machinery.

Irrigation systems, soil science.

Crop production systems and soil and water conservation.

Agricultural structures (storage, greenhouses, livestock facilities).

Agricultural impact assessment.

Excellent analytical skills.

Computer skills

Programming software.

Word, Excel and

PowerPoint.

Microsoft Office.

Design software.

Languages

Arabic Mother tongue

English Conversational

French Bilingual

Certificates

Soilless Agriculture certificate.