

## Keeping Israel's edge in agricultural science

In the Negev desert, the southern region of Israel, farmers, agronomists and other scientists have succeeded in growing virtually any crop. Through the use of research and extension, for example, Israeli agricultural research has resulted in efficient use of limited water resources through drip irrigation and fertigation. Operating from ARO's research center in the Negev, CFPN is building on Israel's leadership in innovative agricultural science. The center also collaborates with other scientists and research centers from around the world, as well as local farmers.



Center for  
Fertilization and Plant Nutrition



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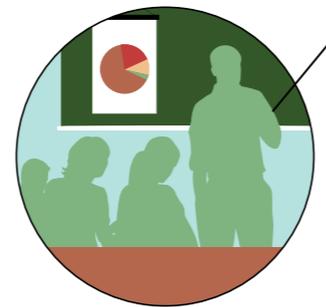
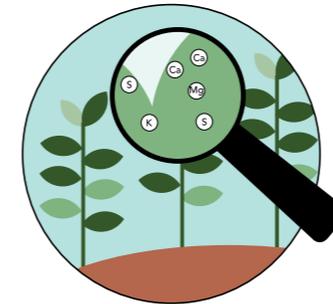
# Center for Fertilization and Plant Nutrition



The new Israeli-based Center for Fertilization and Plant Nutrition (CFPN) is dedicated to improving global food security by researching fertilizers and plant nutrition. Established under a cooperation agreement between the Israeli Agricultural Research Organization (ARO) and ICL, CFPN is developing advanced solutions for fertilization and plant nutrition to enable farmers to manage fertilizer sustainably.

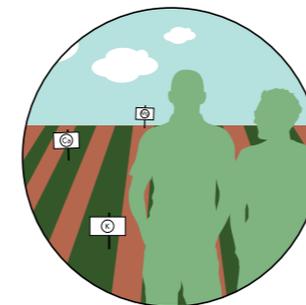
## The center's work focuses on three key areas

1 Improving knowledge and innovation in fertilization and plant nutrition



2 Supporting and educating young scientists

3 Transferring agricultural knowledge by providing expert training



## CFPN research themes



- Evaluate new fertilizers and application methods for different crops.
- Optimize the process of applying fertilizer for selected crops.
- Create new nutrient diagnostic tools and methods.
- Identify and evaluate methods to recycle nutrients from organic and mineral waste products.
- Develop fertilization practices to improve the nutritional value of crops.
- Create technologies and methods to improve fertilizer application to the plant's canopy.
- Develop ways to enhance the ability of plants to use available mineral nutrients.
- Generate methods to improve soil health, postharvest practices and a crop's resistance to stress.
- Develop new ways to share knowledge and tools for plant nutrition in developing countries.