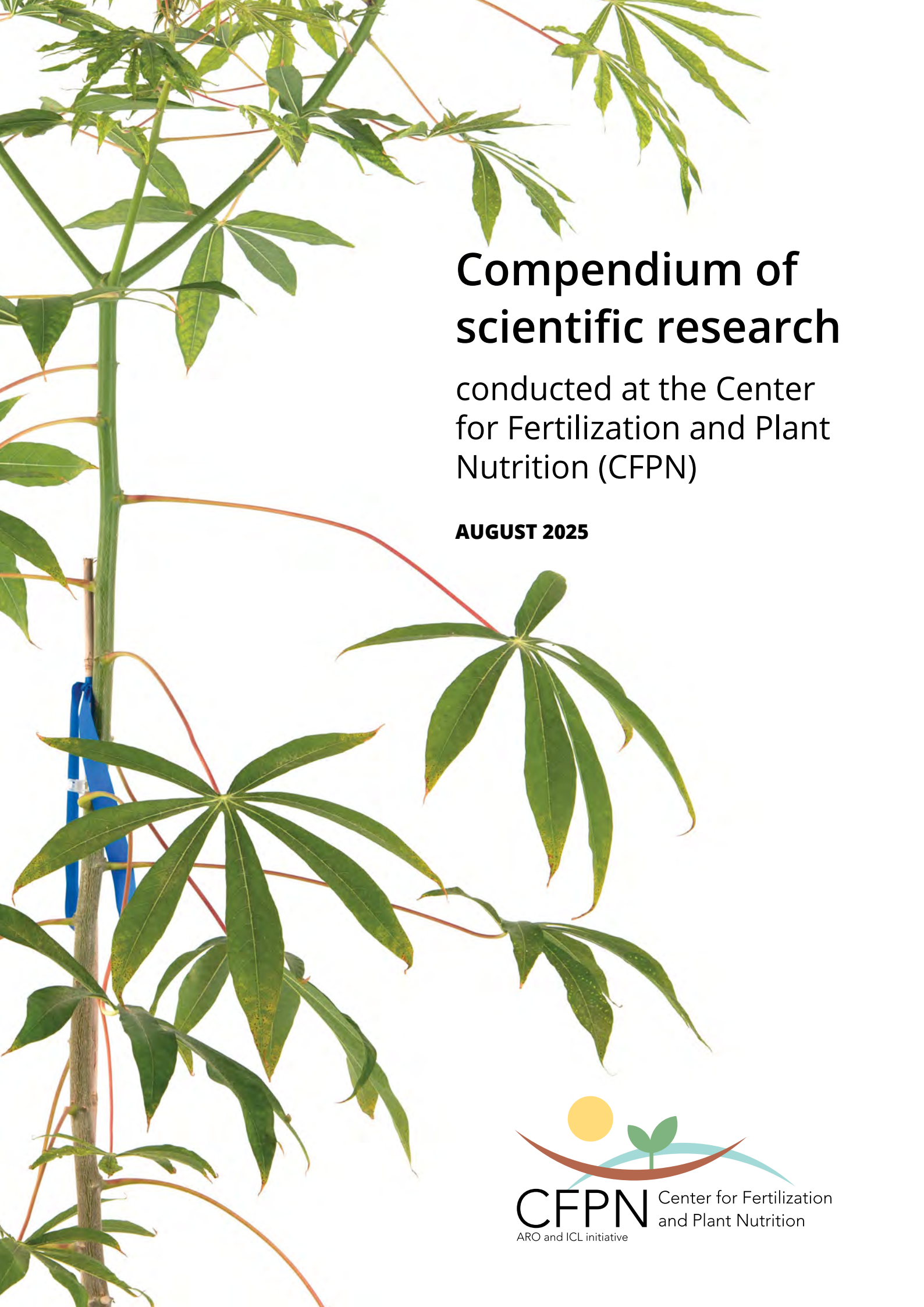

Compendium of scientific research

conducted at the Center for Fertilization and Plant Nutrition (CFPN)

AUGUST 2025

CFPN Center for Fertilization and Plant Nutrition

ARO and ICL initiative

CFPN Center for Fertilization and Plant Nutrition

A DECADE OF IMPACT

Ten Years of Research at the Center for Fertilization and Plant Nutrition (CFPN)

Established in 2015 through a strategic collaboration between the Israeli Agricultural Research Organization (ARO – Volcani Institute), ICL, and the Bnei Shimon Regional Council, the Center for Fertilization and Plant Nutrition (CFPN) has spent the past decade advancing knowledge in plant nutrition and fertilization. Operating from the ARO Gilat Research Center in the Negev, Israel, CFPN has become a hub for cutting-edge agronomic research. Over the past 10 years, the center has conducted numerous multidisciplinary research projects, combining field trials, efficacy screening, and validation of innovative technologies and products. These efforts have been led by ARO scientists in collaboration with global research partners, ensuring both scientific rigor and practical relevance.

Beyond its research activities, CFPN has played a significant role in education and professional development. The center hosted national and international training programs and professional workshops, and supported the academic journey of dozens of students who completed their research theses. Alongside them, supervising researchers gained valuable expertise across the center's diverse research domains, enriching Israel's scientific and agronomic community.

The center's work has addressed critical challenges facing modern agriculture, including the need to produce more food on less land, improve nutrient use efficiency, and reduce environmental impact. As global pressures on food systems intensify—driven by population growth, climate change, and resource constraints—CFPN's contributions have become increasingly vital.

As the CFPN concludes its formal mission, this compendium stands as a testament to its remarkable scientific legacy. It brings together a decade of research, insights, and innovation that have helped shape best practices in fertilization and supported the development of more sustainable agricultural systems.

We invite you to explore the findings and knowledge shared in these pages. May they serve as a valuable resource for continued learning, innovation, and progress in plant nutrition and agronomy.

Prof. Uri Yermiyahu
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Dr. Menachem Assaraf
CFPN Manager, ICL

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