



**Dr. KARASAWA Toshihiko, NARO
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Profile

Dr. KARASAWA Toshihiko is a Group Leader of Organic/Sustainable Cultivation Group at Central Region Agricultural Research Center, NARO. He received his Ph.D. in plant nutrition from the Tohoku University in 2001. His research interests include promoting crop nutrient acquisition by utilizing the functions of plants and soil microorganisms. He demonstrated that improving crop rotation increases the population of indigenous arbuscular mycorrhizal fungi and promotes P uptake by upland crops in Hokkaido from 1993 to 2005. Since 2007, he has been working in Tsukuba on developing technology to reduce the chemical fertilizer use through the introduction of green manure. He had received Japan Prize of Agricultural Science, Achievement Award for Young Scientists in 2002 and The Japanese Society of Soil Science and Plant Nutrition Award in 2023.