

About the Database of Technology Catalog

The Technology Catalog database is available on the following website. It enables users to easily identify the technologies they are looking for and the institutions that developed them.

<https://www.jircas.go.jp/en/greenasia/techcatalog>

The configuration of the database is as follows.

Technology can be searched by Contribution Area, Industry, Commodity, Institution, and Country (Development Participating Country).

Contribution Area

☐Biomass utilization ☐Chemical fertilizer reduction ☐Chemical pesticide reduction ☐Climate disaster mitigation ☐Food loss reduction
☐Forest conservation ☐GHG emission reduction ☐Labor productivity enhancement ☐Resource management ☐Transboundary disease prevention

Industry

☐Agriculture ☐Livestock ☐Forestry ☐Fisheries ☐Food processing

Commodity

☐Agricultural machinery ☐Agricultural residues ☐Blood cockles ☐Dipterocarp timber ☐Disaster prevention ☐Erianthus ☐Fermented rice noodles
☐Field crop ☐Fisheries ☐Forest ☐Freshwater aquaculture fish ☐Fruit tree ☐Greenhouse horticulture ☐Livestock ☐Oil Palm ☐Paddy rice
☐Passion fruit ☐Penaeidae ☐Sago palm ☐Sorghum ☐Strawberry ☐Sugarcane ☐Timber ☐Tropical sea cucumber ☐Upland rice ☐Wheat

Institution

☒Any ☐NARO ☐JIRCAS ☐FFPRI ☐FRA ☐OFCF Japan ☐PICES ☐AIST ☐Ritsumeikan Univ. ☐IWT-AkitaPU ☐Shinshu Univ.
☐Nagoya Univ. ☐TUAT ☐Ibaraki Univ. ☐CADIC-UoM

Country

☐Any - ☐Cambodia ☐India ☐Indonesia ☐Laos ☐Malaysia ☐Philippines ☒Thailand ☐Viet Nam

Target industry

Title indicating the name and expected effects of the technology

Area of contribution to the sustainable food systems

Industry	Commodity	Status	Technologies	Contribution areas	Institution	Collaborating Organizations
Agriculture	Sugarcane	Implementation	Propagation and distribution system of healthy seedcane as control measures against sugarcane white leaf disease	Chemical pesticide reduction	JIRCAS	Khon Kaen University, Department of Agriculture (DOA), Department of Agricultural Extension (DOAE), Office of Cane and Sugar Board of Thailand (OCSB)(Thailand)
Agriculture	Sugarcane	Implementation	TPJ04-768: A new sugarcane cultivar with high fiber (bagasse) productivity	Biomass utilization	JIRCAS	Department of Agriculture (DOA) (Thailand)
Fisheries	Freshwater aquaculture fish	Demonstration	Aquaculture feed with the black soldier fly larvae easily grown from fruit residues as a protein source	Biomass utilization	JIRCAS	Living Aquatic Resources Research Center (LARReC)(Laos), Worldfish Cambodia (Cambodia), Ubon Ratchathani University (Thailand), University of Human Environments (Japan)
Food processing	Fermented rice noodles	Implementation	Maintaining an acidic condition can prevent liquefaction of fermented rice noodles	Food loss reduction	JIRCAS	Institute of Food Research and Product Development (IFRPD) of Kasetsart University (Thailand)

Target crops or product

Present status of achievement in the development of the technology (Demonstration or Implementation)

Institutions and collaborating organizations involved in the development of the technology