

RESEARCH PROJECTS IN PROGRESS

Rice Improvement

Varietal Improvement of Japonica Rice: Observation and Yield Trial.
 Varietal Improvement of Indica Rice.
 Yield Trial of Newly Indica Rice Strains.
 Regional Trial of Indica Rice.
 Bacterial Leaf Blight Testing on Newly Rice Strains.
 Evaluation of Fertilizer Response on Newly Rice Strains.

Rice Quality

Studies on the Methods of Rice Quality Testing.
 Regional Test for High Quality Rice Production.
 Effect of Packing and Storage Temperature on Rice Quality.
 Effect of Direct-seeding on Rice Quality.

Weed Research

Screening Herbicides for the Chemical Control on Bulrush (*Scirpus maritimus* L.).

Upland Crops

Sorghum Improvement: R-line and B-line Improvement.
 Wheat, Barley, and Oats Improvement.
 Improvement of Cultivation Technique and Varieties on Job's Tear.
 Improvement of Cultivation Technique and Varieties on Buckwheat.
 The Demonstration of Rotation System in Paddy Field.
 Regional Yield Trials on Newly Peanut Varieties.
 Regional Yield Trials on Newly Soybean Varieties.

Special Crops

Studies of Varieties and Cultivation Improvement on *Hyptis suaveolens* L. Poit.

Vegetable Crops

Studies of Techniques Improvement on Protective Culture — Overcoming Soil Problem Caused by Successive Cropping.
 Studies of Hydroponic Culture on Vegetable.
 Varietal Improvement of Pea, Snap Bean, and Asparagus Bean.

Effect of Water Levels during Shoot Initiation Stage on Yield and Quality of *Zizania latifolia*.

Flowering Regulation of Artichoke.

Regional Yield Trial and Demonstration Culture of Summer Fresh Tomato.

Studies of Cultural Methods on *Zingiber mioga*.

Floral Crops

Studies of Cultivation Technique on *Liatris*.

Studies of Cultivation Technique Improvement on *Phalaenopsis*.

Studies of Cultivation Technique and Varieties Improvement on Chrysanthemum.

Fruit Trees

Studies on the Effect of Trellis-training Systems and Different Pruning Period on Grape Production.

Studies on Growing High Chilling Requirement Pears in Lowland in Taiwan.

Effects of Pruning, Soil Conditioner and Growth Regulators on Fruit Growth and Quality of Loquat.

Container Culture of Pear — Studies on the Enhancement of Flower Bud Formation, Trimming Pruning over Summer Season.

The Improvement on Cultivated Techniques of Grapes.

Off-season Production of Ponkan (*Citrus reticulata* Blanco).

Improvement of Pear Production Techniques.

Soil and Fertilizer Management and Plant Nutrition

Studies on the Effects of Compost on Yield and Quality of Grapes.

Studies of Using Synergistic Combination of Crops in Organic Farming.

Surveying of Problem Soil and Their Improvement Studies on Flower Cropping Lands in Taichung Area.

Extension on the Use of Soil Testing and Plant Analysis for Soil Reclamation and Fertilizer Use.

Effect of Different Rates of Hog Manure and its Application Time on the Growth of Vegetable Crops.

Effect of Continuous Application of Fresh Hog Manures on the Soil Fertility and the Growth of Upland Crops.

A Study on the Practicability of Sustainable Agriculture in Central Taiwan.

Effect of Chemical Fertilizers on the Growth and Cutflower Quality of *Gladiolus*.

An Experiment on the Resistance of Green Belt Plants to the Waste Gas Emitted from Brick Factories.

An Experiment on the Nitrogen and Potassium Requirement of Persimmon.

A Fertilizer Experiment for *Hydrocotyle rivieri*.

Effect of Fermented and Non-fermented Chicken Manure and N-fertilization on the Yield of Cabbage.

A Survey on the Problem Soils under the House Culture of Horticultural Crops in Central Taiwan.

Studies on the Improvement of Quality and Production Technology in *Cymbidium sinense* Yield.

Rhizosphere Modification of Seedling on Tomato Growth and Nutrition.

Plant Protection

Experiment of the Control on Loquat of Gray Spot.

Studies on the Varietal Resistance to Rice Wilted Stunt Virus and Its Properties.

Studies on the Cucurbit Viruses Transmitted by Aphids.

The Seasonal Occurrence and Control Techniques of Insect Pests on Pea.

Survey of Insect Pests on Leguminous Vegetable Crops.

Studies on the Trapping of Thrips and Leaf Miner on Floral Crops.

Studies on the Improvement of Control Techniques of *Phyllocoptruta oleivora* in Citrus.

Studies on the Ecology and Control of *Aphanostigma piri* Cholodkovsky.

Studies on the Damages and Control Techniques of Rice Stem Borer.

Agricultural Machinery

Development of Corms Harvester for *Gladiolus*.

Development of Post-harvest Machine for *Chrysanthemum*.

Research and Performance Evaluation of Multipurpose Tractor.

Agricultural Economics

Case Studies of Agricultural Management:

1. Operation and Management of an Orchard Farm.
2. Operation and Management of a Leisure Farm.
3. Operation and Management of a Hydroponic Farm.
4. Operation and Management of a Flower Farm.
5. Operation and Management of a Two-way Cross Gilt Propagation Farm.

A Symposium on the Agricultural Management.

Studies on the fertilization Behavior of Farmers in Taiwan.

Integrated Farmland Utilization Planning — An Experiment of Integrated Farming.

Promotion of Entrusted and Joint Farming Operation.

Guiding for Grading, Packaging, and Joint Marketing of Fruits and Vegetables.

Agricultural Extension

Analysis of Agricultural News on Newspaper.

A Project for Cultural Development of Farming and Fishery Villages.

Agricultural Extension Program in Eastern and Western Mountainous Areas.

A Project for Diffusion of Farm Innovations through Mass Media.

A Training Project for Agricultural Extension Staffs.

Infrastructure Improvement for Rural Communities.

The Help Renovate the Farmer's Houses Program.

Improvement of the Rural Livelihood Program.