2.2 Research Projects

All Divisions

Basic studies on the establishment of plant production system using sea water in the coastal arid land Funded by COE program

Subdivision of Natural Environment

Studies on the wind climate and the sand movement in the Tottori Sand Dune

Allocation from the University Funds

Analysis of ground surface information by remote sensing

Allocation from the University Funds

Studies on the effect of water retentivity and thermal variation under soil surface mulching

Allocation from the University Funds

Studies on the modification of the microclimate of the agricultural fields

Allocation from the University Funds

Change of sand dune agriculture in the Fukube village, Tottori

Allocation from the University Funds

Studies on the evaluation of natural energies

Allocation from the University Funds

Studies on the water use in the dry zone in Sri Lanka

Allocation from the University Funds

Researches on lightning and precipitation

Research of Requisition

Systematization of upland irrigation planning based on the actual usage of water in fields

Monbusho Grant-in-Aid for Scientific Research A(1)

Subdivision of Water Resources

Movement of salt and water due to water uptake by plant roots

Allocation from the University Funds

Design and water management of micro irrigation

Allocation from the University Funds

Estimation of crop consumptive use of water

Allocation from the University Funds

Establishment of soil moisture measurement methods

Allocation from the University Funds

Development of technology for rehabilitation of salt accumulated soils in the Central Asia

Grant-in-Aid from Environment Agency

Soil and water properties for effective water management

Allocation from the University Funds

Prevention of soil erosion in surface irrigation method

Allocation from the University Funds

Studies on water management for sustainable irrigated agriculture in Pakistan

Monbusho's Grant-in-Aid for JSPS Fellows

Subdivision of Plant Ecophysiology

Development of non-destructive measuring systems for root growth based on AE method

Allocation from the University Funds

Development of plant production system using sea water

Allocation from the University Funds

Physiological response of soybean on salt stress

Allocation from the University Funds

Effect of root zone temperature on root growth

Allocation from the University Funds

Search for germination stimulant of parasitic weed

Monbusho Grant-in-Aid for Scientific Research C

Search for potential plants from semi-arid regions

Tottori Industrial Technology Association

Biohalogenation in higher plants

Sumitomo Foundation

Subdivision of Plant Production

Studies on crop tolerance to water deficiency and salinity

Allocation from the University Funds

Studies on practical aspects of melon cultivation on a sandponics bed system

Allocation from the University Funds

Damage alleviating effects of several substances on plants under drought and salt stresses

Allocation from the University Funds

Studies on utilization of drought tolerant leguminous plants

Allocation from the University Funds

Subdivision of Revegetation and Grassland Development

Dynamics of Pine trees on sand dunes

Allocation from the University Funds

Tree growth, and nutrient and water dynamics of trees and in the soil

Allocation from the University Funds

Growth and reproductive characteristics of woody plants

Allocation from the University Funds

Ecological studies on sand dune vegetation

Allocation from the University Funds

Maintenance mechanisms of plant communities in arid areas

Allocation from the University Funds

Subdivision of Land Conservation

Discussion on soil degradation mechanism and efficient irrigation schedules in irrigated arid land Monbusho Grant-in-Aid for Scientific Research B(2)

Studies on water quality of irrigation water resources in the Tohaku irrigation project

Ministry of Agriculture, Forestry and Fisheries

Soil salinity improvement using artificial zeolite

Research of Requisition

Dune sand improvement using recycled paper

Allocation from the University Funds

Simultaneous movement of water flow and salt transport in unsaturated sand

Research Projects

Allocation from the University Funds
Estimation of hydraulic properties using multistep inverse method
Allocation from the University Funds
Water, salt and nutrient interaction in plant growth
International academic research by Monbusho Grant-in Aid for Scientific Research