3.5 Theses of Graduate and Undergraduate Courses

(1) Doctor's Theses

Subdivision of Natural Environment

Ito, K.

Analysis of Green Condition using Spectral Reflectance

Subdivision of Plant Ecophysiology

Matsui, T.

Studies on wheat varietal differences with regard to tolerance to deep sawing

Subdivision of Land Conservation

Fujimaki, H.

Evaporation from Bare Soil Surfaces and Salt Accumulation in Sandy Soil

(2) Master's Theses

Subdivision of Natural Environment

Yanagidani, T

Characteristics of radiation balance and soil temperature of reproductive paper mulch

Subdivision of Water Resources

Oba, T.

Water movement in irrigated rice fields extending over a large area in arid region

Takagi, S.

Evapotranspiration of orange trees under saline water irrigation

Subdivision of Plant Ecophysiology

Ueda, M.

Development of plant production system using sea water

Yamamoto, Y.

Proteinous responses of plant cells to salinity stress

Subdivision of Plant Production

Kawai,T.

Studies on salt tolerance of fig

Kinefuchi, S.

Relationship between leaf color and water potential of melon leaves

--- Basic study to control water environment through leaf color as an index ---

Wakao , E.

Effects of salt on rice at various growth stages and alleviation effects of K and Ca

Subdivision of Revegeteation and Grassland Development

Maruyama, N.

Effect of water and nutrient dynamics on the change of the rank for tree size

Subdivision of Land Conservation

Wei, J.S.

Water movement and evapotranspiration in sloping sand bed

Sugimoto, F.

Estimation of hydraulic properties of a sand dune field

Mangio, H.U.R.

Basic Studies on the Mechanism of Salinization in Waterlogged Condition in a Sloped Soil Column.

Yoshinaga, M.

Reduction of salt stress in crop by Calcium type artificial zeolite

(3) Graduation Theses by Undergraduate Students

Subdivision of Natural Environment

Hinamoto, M.

Characteristics of the distribution of air temperature in Tottori form August to November, 1997

Kawamoto, T.

Spectral reflectance of soybean leaves affected by water and salt stresses

Subdivision of Water Resources

Ito, M.

Impact of salt-stress and drought-stress on the growth of soybeans

Higaki, E.

Impact of soil conditions and water quality on saturated hydraulic conductivity of soils

Nagatani, A.

Rill erosion in salt accumulated soils

Subdivision of Plant Ecophysiology

Uoi, T.

Physiological analysis of *Stephania delavayi* cells to salinity stress

Hatano, H.

Effect of fertilizer and water application on sorghum growth

Miyamoto, M.

Purification of haustorium inducing factors produced by tomato root cultures

Subdivision of Plant Production

Kato, R.

Study on control of flower bud abortion in Cymbidium

Kondo, K.

Water control in spinach cultivation on sandy soil during summer

Maruyama, E.

Effects of NaCl on fig growth

Yoshimura, M.

Growth promoting effects of extract from scallions on spinach

Subdivision of Revegeteation and Grassland Development

Hara, K.

Effect of fertilization on the fruit production and nutrient dynamics of *Fagus crenata*

Subdivision of Land Conservation

Otoshi, M.

Analysis accuracy and Monitor of water erosion by photogrammetry

Togashi, T.

Determination of unsaturated hydraulic conductivity at low water range by the steady-state evaporation

method

Mori, T.

Effect of artificial zeolite on saline water use in sand bed under plastic green house

Inoue, A.

Water and salt movement in a large soil column using the water and solute transport monitoring system